STATISTICAL,

DESCRIPTIVE, AND HISTORICAL ACCOUNT

OF THE

NORTH-WESTERN PROVINCES OF INDIA.

VOL. IX.

PART II.-MORADABAD.

BY F. H. FISHER, B.A., LOND.,
BENGAL CIVIL SERVICE



ALLAHABAD:

NORTH WESTERN PROVINCES AND OUDH GOVERNMENT PRESS,

1883

PREFACE TO MORADABAD.

The delay that took place in commencing the compilation of this district notice was due to the progress of a revision of settlement, and it was deemed desirable to await and incorporate the results. The settlement was completed in 1881, and every effort has been made, consistently with space, to give the latest facts and figures regarding the district in these pages. Besides the final Settlement Report by Mr. E. B. Alexander, C.S., and the various Rentrate Reports, assistance has been derived from local inquiries made from time to time through the district officers. Mr. L. M. Thornton, C.S., compiled considerable portions of the town notices and gave invaluable assistance in every part of the work. Mr E B. Alexander, C.S., the late Settlement Officer, besides furnishing valuable notes supplementary to his Settlement Report, kindly revised the whole work in proof.

Naini Tal:
The 7th August, 1883.

F. H. F.

ERRATA TO MORADABAD.

Page	Line.		For		Rend.
16	8		thatched gravi	***	thatching grass
85	12	•••	divisions	444	र्वेत (5)00
86	13 from bott	om.	calalogue		entalogue
86	8 & 7 ditto		Mahdimus		Milhatmys
86	5 ditto		Standi	*	Starda
95	15 ditto		triencial	•••	triennial
98	19	•••	over-nes erreit		aret aspertal
119	20		fli		the
119	14 from bot	tom,	subjection. lie the fact	doplores	subjection he depleres, tho
138	6 ditto		Blidgavita		Bhagavata
139	b		ef	•••	of
139	14	}	Carleyle		Carllanda
140	18	\$ }	Carreyia	•••	Carlleyle
140	15		Kri-hna	•••	Krishna
144	Foot note 5	.	Sambhal	**	Samblal
145	12	•••	Chaupéla	••	Chaupala
153	Foot note 4	• •	Allexander's,	••	Alexander's
126	Foot note	•••	Malleson	• • • •	Malleson
174	Indentation	•	T dgfili	***	'Idgáh.
186	16	***	Dhaks	••	Dhaka
203	4 from bo	ottom,	wheat ranslated	•	when translated
204	19	•••	rup es	***	rupees

OF THE

NORTH-WESTERN PROVINCES.

MORADABAD DISTRICT.

CONTENTS.

·	Page.	l		Page.
Dann I Cooppings and		PART III —INHABITANTS, I	i wamr	-
PART I -GEOGRAPHICAL AND		TUTIONS, AND HISTORY		
Descriptive.		Population by successive censuse	. • . 	55
Roundamon area Sec	•	1 College and distant		61
Boundaries, area, &c Administrative sub divisions	2		•••	76
	3	Occupations	••	78
History of those sub-divisions	4	Emigration	•••	10
Administrative, judicial, and military		Towns and villages	***	2b.
staff	5	Dwellings •c•	•••	ib.
Physical features, scenery	6	Archmology	***	80
The six natural divisions of the dis-	_	Clothing and food	•••	81
triet	1b	Customs	***	82
Elevations and plains	13	Religion and missions	•••	86
Soils	ıb.	Literature and language	***	
Waste lands	14	Education	•••	87
Woodlands	17	Post-office and telegraph	••	90
Rivers	16	Police	***	91
Canals	22	Infanticide	***	92
Lagoons and swamps	24	Jail	•••	93
Navigation .	1b	Present area, revenue and rent		94
Communications rail and road	1 <i>b</i>	Fiscal history former settlement	1 5 .	<i>16.</i>
Bridges and other river-crossings	28	The current settlement	***	101
Table of distances	39	Revenue collections .	***	104
Chmate and rainfall	31	Proprietary tenures .	•••	105
		Castes and tribes of landholders	***	109
		Leading families .		110
		Alienations and rise in the price of		113
Dismitt Discourse		Castes and tribes of cultivators	and	
PART II.—PRODUCTS OF THE DIS-		non-agriculturists	•••	ıb.
TRICT ANIMAL, VEGETABLE,	-	Classes of the tenantry .	•••	115
AND MINERAL		Rents condition of the cultiva	atıng	
Towns some le		classes		117
Fauna animals	34	Trade and manufactures	***	121
Birds	35	Markets and fairs	•••	128
Fish and fishing	16	Wages and prices		ıb
Reptiles	37	Money-lending and interest	•••	130
Flora trees	16	Weights and measures	***	181
Crops	40	District receipts and expenditure	***	182
Agriculture	43	Local rates and self-government	24.0	133
Irrigation	46	Municipalities and house-tax town	S	10.
Outturn of various crops	47	Income and license taxes	•	134
Advance of tillage	48	Excise, stamps and registration		1b.
Natural calamities reh, weeds, and		Judicial statistics	***	135
floods	16	Sanitary statistics	942	136
Droughts and famines	49	Cattle disease	105	138
Building materials	EA	Handana		• 7

GAZETTEER OF THE DISTRICT, PAGES 167-221.

PARTI

GEOGRAPHICAL AND DESCRIPTIVE

MORADABAD,I the second in order from north to south cast of the six distriots' in the Robilkhand division, has wholly to the Boundaries area, &c. east of the Ganges and on the extreme north

east is conterminous with the Tarki Extending from 28°20' to 29°16' north latitude and 78°7' to 79°2' east longitude, it marches north with the districts of Bijnor and the Tara: On the east the territory of the Nawab of Rampur, on the south the Budaun district, and on the west the districts of Bulandshahr and Meerut-the Gauges flowing between-form the remaining boundaries of the district. The adjoining sub-divisions of surrounding British districts are, in Bijnor, the pargauahs Bashta, Chandpur and Burbpurs of tabell Chaudpur, Scobara of taheil Dhampur and Afanigarh of taheil Nagina in the Tarái, Káshipur parganah in Baroilly, parganah Saranli of tahail Aonla in Budaun, parganaha Bisauli and Islamuagar of tabail Bisauli and Rajpura of tahail Gunnaur in Bulandshahr parganahs Ahar and Sayana of tahail Antipshabr and in Meernt, Puth of taheil Ghazisbad, Garhmuktesar of taheil Hapur, and Kither and Hastmapur of tahail Mawana. On the east pargunaha Suar, Rampur, Patwai, and Shahahad of the Rampur Native State are conforminous with the Moradabad and Bilárs tahails. The Ganges on the west is the only natural boundary

The configuration of the district is extremely irregular, but it may be roughly described as square. The greatest and least lougths from north to south are about 65 and 37 miles respectively the greatest and least breadths about 60 and 40; and the whole boundary line about 250 miles

The total area of the district according to the latest official statement is 2,281 8 square miles. Its population was returned at 1,155,178 in the recent

2,200 to equire finites. Its population was returned at 1,100,100 in 100 recent 1 The official spelling of the name is given throughout in the text jointed of the more correct Mundfabld. The materials for this notice have been obtained from Mr. R. B. Alexander's Science Report of Early 1 to the Surface and D. M. Sestional Report (162); the Beut-act Euporis of Early 200 feet of 162 by the yearly Admis intration Reports of Government and of its various department; the Consex Reports of Occariment and of its various department; the Consex Reports of Mr. 1853, 1853 and the returns of 1881; the Archeological Surrey Reports of Mr. 1854 is the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and the returns of 1881; the Archeological Surrey Reports of Mr. 1855, 1855 and 1855, G T Survey -

" { Lat. Long Lat Long 29 16 19" | East 78" 43 2" | East 28 19 59" | Wes "8 40 21" | -- { Lat. Long 3 3 41" North South | Lat 28 18 50" | West | Lat 25 5 87" |

4. As to the origin of the name Burhpur and its supposed corruption from \u00e4rpur, see Garcticer, \u00bc, 418. Burhpur is the official name. South.

V., 418. Burbpur is the official name

census (1881), or about 506.43 persons to the square mile. Further details of area and population are given in Part III of this notice.

For purposes of administration, general and fiscal, the district is divided Administrative sub divinto six talisils of sub-collectorates, and since 1844 there has been no further sub-division into smaller parganals. The divisions for civil and eliminal jurisdiction are, as elsewhere, the petty judgeship (munsifi) and the police circle (thána), there being 5 of the former and 19 of the latter. But these and other statistics under this heading may perhaps be best given in tabular form, as in the case of districts already described, thus.—

		•							
	Talisil	Parganah [abolished 1841]	Included by the A'in- i-Ahbari (1596) in mahál	Land re- venue in 1881-82.	Square	1	Total population in 1881.	in the police jurisdiction of	In the munsifi
1	Morad abad	Chaupala anā Sarkara	Chaupala and Mughalpur	Rs 2,61,766	91)	173	231,863	Moradabad, Munda, and	Moradalad
2	Sambhal,1	Sambhal, Haveli Sambhal, Bahjoi, Snai, and	bhal, Sirsi,	3,62,913	408	916	218,107	Manpur Sambhal, As- moli, and Bahjoi,	haveli. Sambhal.
3	Bilari .	Deorn, Scon- dara, Na rauli, Kun- darklii, and Saliaspur ²	raull Kuu- darkhi, Si	3,33,104	332	605	229,784	Chandausi, Scondára, Mainuther, and Kundar- klu	Bilári.
đ	Amroha.	Amroba, Ra-	Bahru (pirt), Sco-		384	518	174,014	Amrohn and Chlingfait	Amroli4.
5	Hasanpur,	Bashta (part) Bachhrash, Kachh (fig- ri), Dhaka Ujhari, Dha	Durga, Krehh (or Tigri), Dhaka,		545	684	161,809	Hasanpur, Buchhraon, Rehra, and Tigri.	λ mrol n_{λ}
C	. Fhákur- dwára	Hasanpur Islampur Bahru,	Islampur Bahru (part), Sco hari (par')	1,64,562	238	119	109,596	This urdn is ra and D. luri	Momdalai,
	Total	1	1	14,54,004	2,181	475	1,157,173		_

IME I B Alexander is ender all Point or New Point in the label, but Six II, M. Fill at inches it part of Islami abarin the rate ment of the B. of the control of the Six II, M. Six III at the distribution of the state of the control of the Billian reflect the Alexander's sixtee.

The first division of the district for fiscal purposes of which we have any

History of those sub-

record was the one made in the reign of Akbar, described in the Akn-Akbar, and it has continued in a modified form to the present day. The district itself

was included in the subahi of Dehli and in the sarkar or sub-division of Sambhal which comprised, in addition to the present district of Moradabad, the district of Bijnor, a considerable part of Budaun and a share of Rampur The sarkar was sub-divided into the dasturs of Sambhal, Chandpur and Lakhnor The two former fairly correspond with the present division between the Moradahad and Bijnor districts. Forty seven parganahs were in Akbar s reign included in the sorker of Sambhal, and those that now form part of this district are given in the third column of the above tabular statement. Although the names of two only of the 16th century parganahs have surrived-Sambhal and Amroha-we are enabled by the aid of Sir Henry Elhot's glossary to give some account of them. Islampur Bahru is now contained in Thakurdwarn, and the town bearing the name is still in existence, but the usual name by which it is known is Salimpur Chanpala or Chanplah is the old name of Moradabad. It was changed for the present one after Rustam Khan's futile attempt to give the town his own name as Rustampagar. From the parganah of Chanpala was later formed that of Sarkara Deora is the old name of Scoudarn, and two villages bear these names? in Bulari tahail and are about five miles apart. ' Deora' is derived from the Dor Bapputs, who were the samindars of the parganah. Rajahpur survives in a village of the name in parganah Amroha. Majhaula is still a large village about five miles to the east of Bahioi But besides the 16th century parganahs or mahals there are several new names in the list of pargunahs as they stood in 1844,2 when these small sub-divisions were amalgamated into the existing large pargunals or tabells. The new names are Sarkara, Babjoi, Bashta, and Hasanpur (omitting Deora Seondára, which is really no new name, but identical with the 16th century parganah of Deora). Sarkara, as already stated, was carved out of Chanpala. Bahjor comprised parts of Majhola and Jadwar 4 Bashta is the modern name for Gandaur, a 16th century pargamb. Azampur and Bashta adjoin each other, the former, however, being now merged in Hasan pur Hasanpur was originally in Dhaka. Thakurdwara was formed into a parganah in the reign of Muhammad Shahi by Mabendar Sinh, grandson of Ummedi Sinh.

¹ Of which there were 18 in the empire. Deers appears as Dewars khis in the survey map. See tabalar statement above, column 2. Jadwir remained a parganah till 1105 fest! (A.D 1745-44) It forms now parts of Islamagar and Assigur (Bodann parganah) and of Blidri in the Mondabad district, Jadwir is still the name of a village in Bildri. Rieigard A. D 1719-48.

In the end of 1801, when the province of Rohilkhand was made over to the British by Nawab Saadat Ali, it was divided into Changes during British the two districts of Moradabad and Bareilly. The rule former seems to have included, besides its present area, the district of Bijnor, a large portion of Budaun and a part of Rampur and Bareilly. But at the commencement of 1806 the Budaun parganahs lying in the extreme south-east were transferred to Bareilly. In the end of 1817 the district was reduced in size by the creation of a district, roughly corresponding with the present Bijnor, as a separate charge under the title of Northern Moradabad, and again by the formation of the Budaun collectorate at the end of 1822, which made a southern boundary-line very nearly agreeing with that still existing. Between 1835 and 1842 the parganah of Sarauli was transferred to Bareilly, this being the last change south of the Rampur territory. The final separation of Bijnor from Moradabad took place during the settlement begun in 1840, although (as above stated) it had been a separate charge since 1817, but up to this time it was not apparently called the Bijnor district. It was at this time that the administrative divisions were completely revised and the numerous small parganahs already mentioned2-whose villages were often intermixed-were amalgamated into seven tahsils or sub-collectorates, of which six still existing form the present district, while the seventh (Káshipur) was in 1870 transferred to the Tarái. Some further changes were made in the district boundaries on the re-establishment of British rule in April, 1858, after the Mutiny Jaspur and some villages of Káshipur and Bázpur were transferred to the Tarái, and some villages from parganah Thákurdwára and Moradabad were made over to the Nawab of Rampur with the other territory assigned to him from Bareilly as a reward for his loyalty in 1857. Since the transfer of the Kashipur parganah to the Tarái in 1870 the district limits have remained fixed as they now

The limits within which the five munsifs exercise original civil jurisdiction were shown in the table on page 3. Besides Judicial administration the munsifs there is a subordinate judge with both original and (when appeals are made over to him by the judge) appellate juris-The highest court is that of the civil and sessions judge, who, besides possessing exclusive original civil jurisdiction in certain classes of cases, is the intermediate appellate court between all the other courts in the district and the Allahabad High Court in cases in which second appeals lie, and is the final court -1 See Gazetteer, Vol. V, page 502. 2 See the second column of tabular statement

above.

stand.

of appeal (subject only to revision by the High Court) in most other cases.¹
An additional (civil) judge was appointed in 1880.

The magisterial and revenue courts are those of the magistrate-collector and his subordinate staff, consisting as a rule of two covenanted officers, three deputy magistrate-collectors, the six tabalidars and (in 1881) nine bonorary native magistrates, of whom four were appointed for the city of Moradabad, two for Chandans, two for the parganah of Sambhal, and one for that of Bilári and civil staff.

and civil staff.

native assistant, the district engineer, the district superintendent of police, the assistant sub-deputy oplum agent, the superintendent of post-offices, the head master of the high school, and the deputy-inspector of schools.

The military force stationed at Moradabad consists at present of a detach ment of the South Yorkshire Regiment, including two companies (2 British officers and 164 rank and file), and the headquarters and wing of the 6th B L I, including 4 companies (6 British and 8 native officers and 845 rank and file), making a total of 6 companies (8 British and 8 native officers and 509 rank and file).

Nothing could well exceed the barsness of the sandy tracts in the western half of the district, where nothing apparently grows spectaneously except the long rank grasses need for thatching. Even here, however, the monotony of the landscape is occasionally relieved by a small piantation reared with much care and trouble. Here and clow here the trees wear a stanted appearance, except round old towns like Sam bhal and Amroha, where centuries of civilization have left their mark in fine old mange-groves. Where the richer allowed soils near the rivers permit of varied and far reaching cultivation a pleasanter prospect is met with, but even here it is no monotonous expanse with no hills to break the view. Nor is anything found deserving to be called a lake, the largest pond, that known as the Puran pur juli, six miles cast of Amroha, being shallow and not very extensive in the rains, while in the hot weather it dries up altogether.

Commencing from the Ganges on the west there are six natural divisions,

The district is divided determined by the courses of the rivers which intersect into six natural divisions. the district from north-west to south-cast. Each of these requires a separate description, but it will be convenient first to state them in their order. They are (1) the Ganges Fåddar or low lands (2) the Uhur or

The exceptions are in those cases where no appeal lies at all or where the collector magistrate of the di trict exercises appellate powers in the criminal and revenue departments. There is a further exception in the care of detrees of small cause courts.

sandy tract; (3) the north-centre, (4) the south-centre, (5) the Rámganga valley; and (6) the northern tract.

The Ganges khadar includes the western portion of the Hasanpur parganah and extends to the second division, the bhur tract, which General description of these. forms the eastern part of Hasanpur and the western part of Sambhal. The third division, the north-centie, includes the eastern watershed of the Hasanpur bhúr tract, and terminates at the Rúmganga khádar. The Amroha parganah falls in this division, Bilári and the eastern pait of Sambhal in the fourth. This—the south-centre—is the most productive part of the district, the soil being mostly a naturally fertile loam, while the soil of the rest of the district is more or less sandy (bhúr), excepting the alluvial lands in the Ganges khádar. division, the Rámganga valley, is comprised chiefly in the Moradabad parganah. The river is very shifting in its course, in the hot weather it is little more than a fordable stream, but in the rains it attains a breadth of upwards of a mile opposite the city of Moradabad, and pours down an enormous volume of water which floods the neighbouring country. The last division takes in parganah Thákurdwára and the northern part of Moradabad, on the whole a poor and malarious country and containing large tracts of clay land

The course of the Ramganga is a clue to the geography of the district

The course of the Ramtheir features in greater detail. For the main clue
to a comprehension of the geography of the district
we must look to the course of the Ramganga river.

Just before it enters the district it flows south-westerly, approaching the Ganges more nearly than it does anywhere within the district or until the point of convergence of both rivers south of Budaun. This south-westerly tendency is also exhibited by the affluents which join it on its left bank in this district, but the Rámganga itself, very shortly after entering it, turns off to the south-east, the cause being, in the words of Mr. Alexander, that "it begins to feel the effect of the high land which forms the watershed between it and the Ganges, and after an ineffectual attempt to resist this and cut its way through the high land, it has to yield and bends round in a more and more easterly direction till it flows out into Rámpur territory."

The streams of the north-centre of the district show a similar easterly The drainage of the tendency; but in the centre and south-centre the influence and north-centre ence of the Ramganga is hardly felt owing to the way that river "has been edging off to the east." Thus a large tract is left in the centre and south-centre, the diamage of which cannot find its way east or west—in the latter direction the high water-shed of the Ganges offering

n sufficient obstacle—and so flows south in several small channels, of isearried south into the 80t which the largest is the Sot. This river then rues and other small streams. from the pentup drainage of the centre and north-centre, and, although it is never quite dry, is stagmant or nearly stagmant for part of the year.

On the west of the Sot the country rises perceptibly into the great bhir tract. Which intervenes between the Ganges khidar (low lands) and the rest of the district. It runs from north-west to south east parallel with the Ganges, and maintains a fairly uniform hreadth throughout until the extreme south-eastern portion is reached, where it becomes narrower. Although the second of the natural divisions in the order given above, it will be convenient to deal with this bhir tract first, before describing its neighbour, the Ganges khidar. It corresponds to a great extent with similar tracts on the opposite bank of the river in the Bulandshahr and Meerut districts. Mr. Smeaton thus describes it—

"This bhar tract is a vast and somewhat undulating platons, the soil of which is sandy Ridges of loose soft sand alternate with extensive flats of more cohesive soil in which there is a very slight admixture of loam. Technically I imagine the soil would be styled siliceous with a thin mixture of alumina. Rach sandy block is separated from the other by a narrow window channel or chhôle, which is the natural waterway for the drainage of the little watershed. In very many of the villages in the tract the three features are found together-the high bleak sand, the level flat, and the chidds. In some villages are found o by the loose sand and below it the chhois, and in a few unlucky villages only the sand and no chhois at all. The sand on the ridges being loose is liable to be blown away by heavy gusts of wind; and often the result of a storm in May or June is to remove home volumes of it and deposit them where some natural clutacle interferes with their further progress. In seasons of plenteous rale a perfect jungle of tall thatch grazs (sexs) potel) aprings up on these shifting banks and affords grazing for cattle and materials for roof thatch. On such banks of sand freshly deposited, and during the formation of which small supplies of natural manure ha e been blown in by the wind, the cultivator can often rear a tolerable harvest, such as unit, with here and there cucumbers. But the harvest is at best a precarious one and is absolutely dependent, of course, on abundant and timeone rain. The level flats are not intrinsically much more fertile than the loose energy sand. It is the greater cohesiveness of the particles, and the consequent uniformity of level, which enables them to accurre more value; for while on the looss irregular ridges manore would be liable at any moment to be dispersed in clouds of sand by the wind, on the fiats the firmness of the soil permits of the application of manure without the risk of sudden and violent removal. Hence flat blocks of bhar have a value in the cultivator e eye considerably higher than that of the shifting slopes.

"The water lavel is very variable. On the shifting banks it is, of course lowest and hardest to find. On the fairs it is found at from its to 15 feet from the surface. In the 'chhâlas, where the soil is firm and retains moliture the water level is near

"In ell scasons the country looks bleak and cheeriers, and when the rains have been fosufficient or notimely the whole aspect is gloomy to the extreme. Govern are scattered at long intervals and there are many rullages with most at all. The shelter pitch elsewhere the manyo tope affords to the hamlet is here often supplied by the bamboo thicket, an excellent substitute in many ways, and, seen from a short distance, very graceful with its soft and feathery foliage, but wanting in the deep, cool, restful preen of the mango grove. The bamboo, however, has this recommendation to the country people, it is even more impervious to wind and dust than the mango, and the timber is always useful

"Ponds are rare, and there can servely be said to be any jhils (lakes) at all. The porous character of the soil prevents much untural storage of moisture. The 'chhúins,' of which mention has already been made, are, of course, dry in the cold and hot seasons, they are only flood channels. They all run in nearly parallel directions, though very irregularly. They generally end by dissipating themselves over a broad flat, or filling up a series of little depressions, or uniting in a single current, they sometimes burst down over the bluffs into the jhil (pond or lake) which fringes the khádar (low-lands)

"Within this great bhur tract are two little cases, one on the north-east and the other on the south-east corner. They are continuations of the Amroha north west tract and the Sambhal udla tract respectively. The former is part of the low-lying country trending away down to the Amroha river system, and is composed of alternating runs of loans and clay, with here and there patches of sandy up land. The latter is an off-shoot from the strip of spongy undrained country in Sambhal, lying enclosed between the blur on the one side and the Sot river on the other. In calling the latter an oasis the term is, of course, used relatively. It is an oasis compared with the sterile blur which overlaps it."

We come now to the neighbour of the bhúr tract, the khádar or lowThe khádar of the Ganges land, that separates it from the lands immediately adjacent to the Ganges bed. The western edge of the bhúr rises slightly, becomes very uneven and dips abruptly into a long winding marsh called the Bagad jhíl, which lies in a narrow line along the whole length of the boundary between the bhúr and the khádar tracts. Mi Smeaton thinks the sandy bluffs of the western edge of the bhúr and the scouled appearance of the lower strata are some evidence in favor of the supposition that at one time the Ganges flowed immediately below the bhúr tract. At any rate it is here that the alluvial tract begins

Mr. Smeaton thus describes it:-1

"From the deep and narrow bed of the jhil, the country gradually slopes away westwards and upwards, rising gently to a crest about half way between the bhur cliffs and the river sand. Thence it descends again and blends with the great khadar plains beyond. This part of the alluvial country (which I have styled the bagad bangar from its proximity to, and dependence on, the jhil below) is scarcely, properly speaking, khadar at all. It is well raised above the deep jhil on the east and the open flooded plains stretching away on the west. It is a sort of alluvial watershed, and is easily distinguished by its dense covering of dhak jungle. The khadar plain rises almost imperceptibly from the gentle depression where the alluvial bangar blends with it, and after reaching an elevation so slight as to be scarcely perceptible to the untrained eye, sinks down again as gradually, meeting as it sinks the first signs of direct river influence in soft alluvial soil. Rising again, the land becomes more sandy, patches of jhao or tamarisk begin to appear, and after a short interval the river edge is reached. Such is a very general description of what

¹ Mr. D. M. Smeaton's rent-rate report for Hasanpur parganah

10 NORADABAD

may be called a section of the country running cast and west across the parganah. Of course, no one section actually taken would be the same as mother. Here the full is wide and shallow there deep and narrow; here the disk forest is thick and dark, there it dwindles away down to a faw isolated shrubs; here the river brink is within a stone's throw of the casteromost dip of the great shidder plain, there a wide reach of grass jusque, sometimes preceded sometimes followed, by jideo thickets, varied by little sandy crecks and banks has to be traversed before the river is found. But the illustration given will sufficiently indicate what I desire to make clear the inter dependence of the various tracts of country and the undulating character of the allustia half of the parganah. The following may be taken as a attach of the section shore described:—



"The great bldg waterfied on the west must have waterway for its drainings; hence the depression of the joil. The joil, however would not have attained its present dimensions had there been none but the upland drainings to earry off. It acts also as an escape-vaive for the river flood water which, in seasons of excessive rains, finds its way through the khidar and across the disk bingar by tiny narrow runnels, or occasionally where the face of the country admits, to broad shallow sheets

In the hand sketch above given I have codeavoured to show what I imagine must be the course of the sub-soil moistore throughout the entire section. The water level In the bhir tract is low; its fews is probably about the point where the bhir commences its unidea descent into the fall. Its moisture in the rainy season, descending rapidly to the channel of the fall and there meeting the tiver surplus, forces its way through a natural syphon below the allovial biogar deposits its detritus as an increment to the bingar and meets the volume of river m isture just where the bhidar plain clearly begins.

That the Gauges khadar forms a distinct tract from the rest of the distinct is clearly brought out in the above description, and there can be little doubt that the narrow winding jhil is the representative of what was once the full stream of the Ganges, while the khidar lands are accretions from the river bed or oven represent land which once lay along the opposite bank, but have been won over to this side by the gradual shifting of the river a bed westward

The north-centro is the next of the natural divisions, and includes the eastern watershed of the northern bbúr, terminating at the Rámganga khádar Uniformly high and sandy in the west, though level and firmer than the main bbúr tract, its character is completely altered by the turn in the drainage lines which begins to the cast and north-cast of the town of Amroha. The surface becomes very uneven, susking into marked dips at each of the small streams which at short intervals intersect it. The

intervening ridges are much scored by the water running off them, and are often clothed with a stunted thorny bush jungle locally known as kair.

Passing south, these signs of fluvial action become fainter and the country opens out into broader plains of good soil, usually bounded by ridges, or half rings of bhúr, which crop up at intervals, becoming less and less marked as the fourth or south-centre tract is traversed. In Bilán and the extreme east of Sambhal there is very little bhúr. The soil is almost all a good dúmat naturally fertile, and very level between the valleys of the Gángan and the Sot, which form the boundaries of this tract on the north-east and south-west. This is the most productive portion of the district, and the only one in which spring wells are in common use. Elsewhere, indeed, such wells are very exceptional, only masonry ones, sunk at a very great expense, having hitherto been able to tap the spring; but in this tract earthen wells supply sufficient water to enable cultivators to work buckets on them.

Mr Smeaton notices that the soil over a large portion of Bilári parganah is so moist that, unless the rains have been very scanty, irrigation is hardly required except for sugarcane. The reason of this is probably the widening out of the drainage system to the east above this tract, which leaves it a broad plain, intersected by no river of any size, and with a very gentle slope, so that the water is not iapidly run off, as it is further north

The fifth natural division is the valley of the Rámganga. On entering the district the action of the river bearing towards the south-The Rámganga valley. west has scooped out a broad tract of low-lying khádar land separated from the north-centre tract by a line of bold ridges intersected by ravines, and of a very rugged appearance; further south as its strength is spent the river flows through a narrowing valley, till it joins the Dhela and again spreads out above and below Moradabad city. Further south the hitherto clearly defined line between the khádar and the uplands is lost, owing to the approach of the Gángan, and the land on the right bank becomes similar to that almost all along the left-low-lying, undulating and sandy. Compared to the khádar of the Ganges that of the Rámganga is bare: no Jháo and comparatively little of the heavy thatching grass growing on it In the north, however, where the tract is wide, the portions which are protected from the rush of the floods and get the advantage of the deposit from the backwaters are more fertile than any of the land immediately along the Ganges The Ramganga is very shifting in its course, and the rapidity and violence with which it swells in the rains renders it dangerous to crops and habitations near its banks as well

12

as a most formidable obstacle to traffic. In the hot weather it becomes a brook, fordable in most places and easily crossed by a small bridge-of boats opposite Moradabad but almost immediately after the rains begin, it rises with great rapidity, pouring down an enormous volume of water which, opposite Morad abad, is frequently more than a mile in width and flows in the rate of five miles an hour

Boyond the khádar to the north and north-east hes the sixth division of the district, taking in parganah Thákurdwára and part of Thákurdwára and Moradahad. It is intersected by numorous streams, of which the Dhela is the most important; and in the western portion there are large tracts of clay called *jháda*. Setting ande the extreme south-east, which assimilates to the country between the third and fourth division, this is n rice-growing tract, liable to injury from excessive floeding, and not requiring irrigation except for cane. The best portion is the south and southwest, the north being defined and somewhat resembling portions of the third tract, especially in the prevalence of low kair jungle, which seems always to mark a poor denided soil. There is very little jungle now left, though the tract horders on the Tarái and the climate still retains n bad name for mainrions fever. In the rainy season, however, a large area is covered by thick grass and reeds, which give the country a wild appearance.

Speaking generally and excluding special tracts like the khédar, the surface teceral description soil of the district is light and sundy, clay being compara of soils.

Soil of the district is light and sundy, clay being compara tirely rare, and almost everywhere pure sand is found a few feet from the surface. The upper strutum of this sand is generally coarse and holds the percolation water, and the lower stratum is fine mul white with little water in it. Below this white sand is a layer of clay and kankar found at very varying depths and of varying thickness, and below this is the spring. In parts of Hasanpur this seems to be as deep as 80 and even 90 fest, whilst in other parts of the same parganah and of Auroha it is found within 40 feet. At present, however, the number of wells which have been sunk to the real spring level in the district is so small that no accurate information about the lice of the lower strata is obtainable

Almost universally the shallow percolation wells, dug to a depth of about

Percolation wells.

12 or 14 feet, and deriving their water supply from the
upper portion of coarse and stratum, are employed.

Owing to the sandy nature of the soil, these wells almost always collapse in the
rains and in years of drought the percolation supply sometimes fails, and then

it is of no use to construct them. Even in a good year the amount of water they yield is, as a rule, insufficient, and the number of them required almost prohibits the irrigation of any large area.¹

The average level is about 670 feet above the sea, the highest point being 766 62 feet in the north of Thákui dwara, and the lowest 580 79 feet in the south of Bilári. The surface of the country slopes considerably from north to south, and distinctly, though less markedly, from west to east, but there is a slight rise again to the north-east after the valley of the Rámganga is passed.

The following statement shows all the principal stations of the Great Trigonometrical Survey, arranged in order of tabsils. The latitudes and longitudes are those given by the Great Trigonometrical Survey, the heights (except for Lut) were deduced by spirit-leveling by the Moradabad cadastral survey:—

Tabsfl	Name of station	Height in feet above mean sen- level	Latitude.	Lougitude.	
Amroha Ditto Hasanpur Ditto	Barauli Atora	689 37 656 96 695 93 677 95 651 59 719 73 739 45 716 691 87 644 57	28°-54'-00" 92 28°-32'-02" 66 28°-42'-42" 24 28°-33'-28" 36 28°-22'-06" 26 29° 04'-57" 20 28°-54 _39" 96 28°-53'-42" 57 28°-43'-37" 48 28°-33'-59" 24	78°-46'-00" 83 78°-47'-56" 22 78°-39'-43" 42 78°-34'-26" 98 78°-41'-23" 97 78°-40'-51"-11 78°-34'-33" 44 78°-20'-58" 00 78°-27'-02" 66 78°-20'-59"-31	

Besides these the whole district has been levelled over by the cadastral survey and there are a multitude of bench-marks on the main road from Bareilly to Meerut through Moradabad, on the Sambhal and Amroha branches of the Eastern Ganges canal, on the Ramganga canal, on the Oudh and Rohilkhand Railway, and on other roads in the district. The bench-mark on the south side of the western doorway of Moradabad church (on the third or upper step) has an elevation of 654 54 feet above the sea. The highest bench-mark along the Bareilly-Meerut road is 703 01 feet between the 24th and 25th milestones, counting westward from the town of Moradabad.

The classification of soils for the purposes of assessment at the time of settle-Technical names for ment was carried out by native agency under the Settlement various kinds of soil. Officer's supervision. How this was done is seen from

¹ Mr E B Alexander's settlement report. ² On south side of root of pipal tree, south of the village Raghúwála, near it there is a Hindu temple and platform (chabútra) ³ On trijunction of the villages Hulásnagar, Khabaria and Dhakia (Rámpur).

Mr Alexander's statement —"As far as possible, names commonly recognised amongst the people were adopted, but merely local names, which might convey a wrong idea to a person new to the particular locality, were not recorded. For instance dimat, matigar and blate are universally known, and were therefore at once adopted. Kallar, signifying land injured by reh, being understood all over the district (though not perhaps in other parts of the province), was also approved. On the other hand, words like jldda for inferior clay, kimp for alluvial soil, karrs matti and gili matti for different kinds of matigar, and other similar terms were rejected as liable to be misunderstood and to be misstated by the girddicars. Of the first three names (dimat, matigar and blate) ample descriptions have been given in former volumes and, as the Settlement Officer neglected as unimportant the other names used locally, we need not waste time in attempting to explain their minute differences. Some modifications were introduced in the simple classification in first adopted, as will appear from the following statement taken from Mr Alexander's settlement report —

	Baff.						
				_			Astes
Dámet 1st							827,706
Démat and							275,563
Matiyêr let	-		•••				70,933
Mattyar and	-	-			144	· I	89,318
Bhár let	***						181 163
Bhár Ind	•	•••					45,378
					Total	-	910,338

The total shown above agrees with the total cultivated area at the time of settlement. In the chapter on fiscal history we shall recur to this classification, and it will be convenient to defer till then a statement of the proportions of each class of soil found in each tabsit.

Of the whole district 1777 square miles, nearly 8 per cent., are by the

Waste lands.

last official statement (1881) shown as uncultur
able, 1

This includes village sites, tanks, river beds and roads, besides waste lands properly so called. But it is in the Ganges Mâdar only that reh, the prolific 1 in the settlement report the barren area is given as 151 652 acres or 252 square miles, making a difference of \$22 square miles. But the total area of all lands given in the settlement report (2,3 5 square miles) is 12 miles in a recess of the area in the official statement. On the other hand, while the official statement given 1,531 as the total substantial statement on the other hand, while the official statement given 1,531 as the total substantial statement on the other statement is at 1625, or 621 square miles, less, rate and indicate the substantial statement of the control of the 154 call of the April, 193; (forts by Mr. J. H. Faller C. S.)

1 This is locally known as ledier and is north prevalent (according to Mr. Alexander) in the southern portions of the Mâdar tent, where it does very serifous injury to what would otherwise be some of the best land in the district.

producer of waste lands, is found. There it chiefly fasters upon soils which have good firm clay in their composition. In the process of drying after heavy rain the reh (saline efflorescence) exides at the surface, and after the moisture has evaporated remains as a deposit, effectually destroying the productive capacity of the tract where it appears for any better purposes than that of pasturage.

In the north of Thákurdwára, especially in what is known as the Bajarpatti,

or the tract between the Kurka and Lapkana streams, there are extensive waste lands covered with the scrubby thorn kair, and the total actual barren area in this tabsil is 27 8 1 square miles. In Moradabad tabsil the actual barren area is 37.4 square miles, but during settlement operations 15,597 acres (or more than 24 square miles) of good strong cultivable soil in the Rámganga khádar was found used as pasturage only at a rental of about Re. 1-10-0 per acre. Much of this came under the plough after the settlement officer's inspection was supposed to have been over.

In the east of Amroha are extensive tracts of bush jungle clothing the crests and slopes of the central water-sheds. These sometimes stretch for miles together and rise to the dignity of jungles. Spotted-deer, hog-deer, wild-boar and nilgai are not uncommon, and leopards have been killed in them in the rainy season. Even tigers are said to have been seen. These long reaches of jungle, locally known as Lair, are a conspicuous feature of the landscape and have their counterpart in the north-western parts of Thákurdwára. Very different are the wastes in the west of Amroha: these are open plains thinly coated with grass and practically bare of trees, scarcely even a bush relieving their sameness. But of actual barren waste this tahsil has only 168 square miles

In Bilári.

Mr Smeaton says of Bilári that it has no sterile tracts at all and little waste, no available land being left uncultivated.²

There is very little jungle in the Sambhal tahsíl; indeed, the only patches worth mentioning are those bordering on the great swamp in the south-west. All over the bhúr tract there are in dry seasons large unploughed wastes utilized as grazing grounds. The total barren area is 28 1 square miles.

By the last official statement (1881). Mr Smeaton's statement notwithstanding, the official statement gives 23 4 square miles in Bilari as "uncultivable" The explanation is probably that given by Mr Tracy, Collector of Moradabad, who takes Mr Smeaton's "sterile tracts" to mean large usar plains, of which there are certainly none. Mr Smeaton himself elsewhere states the barren area at about 23 square miles.

16 MORADABAD

But in Hasanpur we find the largest barron area, returned in 1881 at 44.2 square miles. This is scattered about among nil the divisions, in the bhur, the just fract, the higher alluvial and the lower lands, as well as in the diluvial tract that immediately akurts the river bed. In the low lands hietohes of star are found everywhere, and the hard atruggle which the cultivator has with nature in this tract leads to a large proportion of waste land. This waste is covered with a dense growth of thatched grass (bind psila) which yields about grazing while it also gives cover to wild pig and deer. Besides this grass fina babil timber grows in this waste, especially near the centre of the tabail. There are (writes Mr Smeaton) "whole forests of these assets half it there are to be able to thrive where even grass fails. I have seen thick clumps of babil growing on bare white blocks of waste.

Of the uses to which this timber is put some account will be given in Part II

Some important questions regarding the rights of cultivating communities both to grazing and to timber were mised during the recent settlement The peasantry, although living in a state of practical serfogo and harnssed beyond measure by the system of paying rent in kind, have yet indvantages over their neighbours elsewhere in the unlimited grazing. Grazing rights. most of which they obtain free besides this, they here the spontaneous produce of the waste and jungle, such as the thatch end timber Of 100,000 acres of grazing Mr Smeaton calculated that 80,000, or about threefourths, were free and, putting the number of sgricultural families et 21,000, this gives nearly four ecres of free grazing for each family The estimated number of cattle (145,000) gives seven head to each household, and half of these are milch kine and huffale-cows In no other tabsil 1a there anything to compare with these grazing reserves, and the people may rightly be said to hero n resource in them which in some measure compensates for the high produce-rents exacted from thom. More on the relation of landlord and tonant in this tabell will be said further on in the part of this notice proper to that subject.

In the part of the low lands which is liable to flooding from the Ganges in thick tall reedy grass covers the vast sandy plains, through which rins in network of escape-channels to the river. Besides this, grass thickets of jhdo, in stirrly river weed, spring in from the alluvial deposit (kdmp) laft by the over flow. It thus happens that immediately after the rains and in the beginning of the cold weather the aspect of the north-west of the tabsil is that of a vast grass jungle resembling what is so often seen in the Tarái. One may ride

RIVERS 17

through it for nules at this serson without getting a glimpse of the surrounding country. Of cultivation there is naturally very little here: the lands are, like those of the other tracts, used as grazing-grounds, but the thatch and grass are very often sold or leased out by the proprietors.

In seasons of drought, when the grass on the bángar (highland) is burnt up, these great river plants are invaluable. Cattle swarm down from the country above and are enabled to tide over the bad season. Too great importance cannot be attached to these fine grazing reserves, especially when it is remembered how fast all available waste land in the district is being brought under cultivation.

Of tree jungle there is little remaining. A few extensive patches of dhak (Butca frondosa) are found in the Hasanpur parganah; but elsewhere, even in Thakurdwara, good lands have all come under the plough, and the bad can support nothing more than the scrubby thorn known as kair (? capparis Aphylla), which (writes Mr. Alexander) "seems to be very nearly utterly useless."

Mention has already been made of the chief rivers of the district in Rivers the Rámganga describing the six natural divisions which depend upon the flow of the surface drainage. The first of these in importance, although not in size, is the Rámganga which, entering the district from Bijnor in the north-west coiner of Thákurdwára, at a point four miles south of the village of Surjannagar, flows in a south-easterly course of about 53 miles in this district, passing thence into the Rámpur territory. It keeps wholly within the tabsils of Thákurdwára and Moradabad, and passes Moghalpur in the 24th and Moradabad in the 34th mile. On its right or western bank it has no affluents in this district, but on the left or eastern bank several streams fall into it from the high land to the north.

The most northern of these, the Phika, risos in the Phaldakot parganah of and its affluents, the Kumaun, and flows for about two miles only through the extreme north-west of Thakurdwara, joining the Ramganga in the Bijnor district

On the large scale survey map three small streams—the Dara, Khalia, and Dara, Khalia, Rowakhar, Kowakhar—are shown to unite and form a single and Rapi. Stream, the Rapi, which after flowing for about four miles is joined by the Jabdi. The Khalia and Jabdi rise in the Tarái, the others in this district. After receiving the Jabdi the Rapi flows for about eight miles before falling into the Rámganga.

18 KORADABAD

The Kurka and its tributary the Laplana flow south-west through Thékurthe Kurka and Laplana dwars, and the former joins the Réinganga two miles
west of Diléri.

The Dhela rises in the Phaldakot parganah of Kumaun and flows south
west through Kachipur and Thakurdwars, to join the
Ramganga two miles north of the town of Moradabad. It receives the Kachia and Damdama, the latter near its own junction
with the Ramganga

Lower down in its course the small stream called the Rajbera, which has

The Rajbera.

1ts course wholly in the Moradabad tahsil, falls into
the Ramganga.

The Kosi or Kausilya enters this district from the Káshipur parganah near Darhiál. It almost immediately passes into Rámpur territory, but lower down it again traverses the south-eastern part of Moradabad taball and joins the Rámganga near the village of Lálpur Pitari. The Kosi is lorgely used for irrigation and is crossed during the rains by ferries at Darhiál on the Naini Tál read and at Ganeshghát on the Bareilly read. In the dry season there are bridges of beats of these places.

The Nachna and Bah (or Bahala) are two small affinents of the Kosi and
The Nachna and Bah.

The Nachna and Bah (or Bahala) are two small affinents of the Kosi and

The Nachna and Bah (or Bahala) are two small affinents of the Kosi and

The Nachna and Bah (or Bahala) are two small affinents of the Kosi and

The Nachna and Bah (or Bahala) are two small affinents of the Kosi and

The Nachna and Bah (or Bahala) are two small affinents of the Kosi and

The Nachna and Bah.

Country boats of 100 to 400 mannds burden, laden with grain or other

Narigation and riparian
costoms of the Ramganga.

exception there is no unvigation worth mentioning

The customs regarding boundary dispotes occasioned by alluviou and diluviou vary as in Shahjahanpur, sometimes that of dhir dhur or deep-stream boundary and sometimes the opposite one of following the original boundary being observed

In depicting the annoyance and worry caused by the constant changes in the coorse of this river Mr. Smeaten 1 ventures on the suggestion that it would be worth while for Government to buy up the entire dilorial belt on both banks of a river like this. In the hands of a single proprietor the tract would, he thinks, yield treble the revenue that it does when parcelled out among numerous petty owners who are continually wrangling over the belts of land

1 America Rent rate Report, park 19

which the river annually casts up. "The arrangement," writes Mr. Smeaton, "which is dignified by the title of quinquennial settlement, is, I fear, little better than a farce. No one who takes a part in making these five-yearly revisions knows or cares much about what he is doing. The State in nine cases out of ten loses revenue; in the tenth the proprietor is buildened with an assessment probably in excess of the assets, in all the people are irritated"

A description of the banks of this river has already been given in the Nature of banks of the paragraph dealing with the fifth natural division, the Rámganga. valley of the Rámganga

The ferries and other river-crossings of this and the other rivers of the Ferries and other river-district sufficiently appear in the tabular form given a few pages later on Besides the ferries there mentioned boats are generally obtainable at the following villages: Surjannagar, Lálápur, Pípalsána, Jájanagli, Kamálpuri, Farídpur-Bhendi, Chatkáli, Mughalpur, Sheopuri, Mundiya, and Bháyanagla.

The Ganges for nearly forty miles forms the natural western boundary, running the whole length of the Hasanpur tahsil, which it divides from the Mawána, Hápur, and Ghaziabad tahsils of the Meerut district on the north-west and from Anúpshahr of Bulandshahr in the south-west. It flows along this boundary nearly due north and south, but it issumes its south-easterly course after entering the Budaun district. Tigri opposite to Garhmuktesai and Sirsa Sarai opposite to Ahár are the only places on its eastern bank in this district that deserve mention. There are bridges of boats at Sherpur, Tigri, and Púth during the dry season and feiries in the rains.

In the lower part of its course the river about ten years ago took a turn eastward and cut into this district between the villages of Nanai, Lehsra, and Ibrahimpur At first it made way there rapidly and poured a large body of water across Ibrahimpur, Bihárípur and Pathra, which completely cut up those villages and turned what had been cultivated lands into bare wastes of sand. Being met, however, by the high ground to the east, the river was turned back south and westward and prevented from sweeping right across the centre of the low-lying tract into the jhil below the bhūr, as it would otherwise have done. Its force, however, was sufficient to cut two deep channels through the higher ground, one into the Mohaia (or Mohāwa), and the other between Mīrpui-Dhabka and Paraura into the low-lying country south of the latter village; but the check given to the force of the flood brought it very nearly to a standstill and allowed the deposit it contained to settle down. Every year this deposit has

20 NOBADABAD

increased, and the process has been accelerated by the thick growth of inmarisk bushes which have sprang up all over the muundated tract. But the main stream in its new southern course has swept over its banks, and in times of flood an enormous body of water is poured over the intervening lowlands between it and the Mohaia. The mundation is so extensive, in all but exceptionally dry years, that communication between Sirsa and Bhaull (the next village but one to Sirsa on the north-east) is only possible by boat. Before it reaches the Mobaia the flood divides into several currents owing to inequalities in the ground, but the main current joins the over to the west of Darhial. Here it is met by the large body of water which the stream is bringing down from the north, and the result is a repetition on a small scale of the floods already described. The Mohaia also contributes to the mundations Filled to overflowing by the flood water from the Ganges, it bursts over its very sharp steep bank and pours down across Darhial. Working naturally castwards this floodwater turns partly north and partly south, while a third channel works its way castward into the Naktia (or Tikta) stream. There are namerous ponds and lagoons in this part which are fed by these flood waters. The damage done by these inundations is considerable, but some compensation is found in the rich spring harvests obtained and in the familities afforded for angarcane cultivation whorever the water is held stationary for a time. On the other hand antumn crops are impossible, and wherever the water sweeps along with much force its effect is to scour and deteriorate the land, not to improve it. Vory unhealthy too is the season during which the drying up takes place, and Mr. Smeaton has no doubt on the whole that it would be best to check these inundations

In the north two small streams, the Bahs and Krishni, onter this district

Its afficiate, the Bahs from Bijner and unite about three miles from the bound and Krishni.

ary to the south of Azampur in a lagoon known as the Dhab The united stream follows a coorse parallel with the Ganges, into which it falls below Tign. The name of this stream oppears as Matwah on the survey map.

The Nakita or Tikta is a small stream rising in some small pends about two inites south of Hesanpur, and does not join the Mohals or Barad.

In the first part of its course before it spreads out into the Samda lagoon. The Mohala or Mohawa is the flood channel of the Barad or Barat jill or lagoon, and runs through very nearly the centre of the low lying country parallel with the Ganges. The body of flood water from the latter river of which mention has been made above, is locally

known as the Roll.

The Gangan rises in Bijnor and flows in a south-easterly course through the Amroha, Moradabad, and Bilári talistis of this district, The Gángan passing out into Rámpur territory about four miles below the point of exit of the Ramganga, which it joins further down in its course. It flows south of the town of Moradabad at a distance of four miles. Ten miles from the point where it enters the district it and its affluents, the Karúla and Bán. receives the Karúla, a small Bijnor stream, on its left or northern bank, and five miles lower down the Bán from the same district joins it on the right bank. Both the Gangan and its tributaries are generally fordable even in the rains. It is bridged by the Moradabad-Meerut road (at the 4th mile), the Moradabad-Sambhal (at the 5th mile), the Moradabad-Bijcor (at the 20th mile), and by the Oudh and Rohilkhand Railway about six miles south of Moradabad. The Karúla is also bridged by the Moradabad-Bijnor road (at the 15th mile).

The Sot, also fantastically named the Yar i-Wafadar, has been already mentioned in the description of the six natural soil-The Sot divisions of the district Rising in a pond in the west of Amroha tabsil, it enters Sambhal on the extreme north-west and flows in a southeasterly direction, passing into Bilári a little below the railway bridge runs in a muddy spongy bed and derives its name, Sot,3 from its faculty of selfsupply. Its volume is considerable in all seasons. The drought which dries up other streams, partially or wholly, seems to have little effect on it, and its current is nearly as strong in May as in August The valley of the Sot is a marked feature in the country. It is generally broad and uniform, only at long intervals here and there narrowing into a ravine The soil of this valley is a sinking muddy clay, often for miles, even in the cold season, a vast quagmire Fords are very rare and commerce, therefore, between the tracts on its opposite banks is difficult. The most pronounced charateristic, however, of the Sot valley is a malignant fever which hovers about the villages on its banks, and many villages even at a distance on higher ground feel the influence of the malarious atmosphere. Belts of dense undergrowth surround the hamlets in the valley, and there is a constant stock of decayed and decaying vegetation on the alluvial flats which aggravates the natural insalubrity. The people are often too weak to reap their harvest and fields of grain lie and rot in the mud.4

¹ Measured in a direct line

2 t e, "The faithful friend," a name said to have been given to this river by Muhammad Shah on the occasion of his expedition against the Rohillas, because he found sufficient water for his troops" Suppl Gloss, II, 144, note

3 Sot (Sanskrit srotam) means any spring, also the backwater of a river

3 Sot is a common name for a sluggish river Fallon, but see also Suppl. Gloss, II, 144, note.

4Mr D M. Smeaton's Sambhal Rent-rate Report

In the Bilán tahail the Sot has a well defined bed, but in the rains it spreads in a thin cheet over its wide valley, which rarely dries in sufficiently to permit of extensive ploughing and sowing for spring harvests. During the last ten years whole blocks of formerly productive soil have become quite unfit for our tivation. In the valley the water level is very near the surface, and after even moderate rains the abeet of superfinal moisture is prevented from percolating downwards. It is kept at or near the surface, now bubbling up in what the people call udla¹ and now just sufficiently concealed by the upper coating of soil and thin grass to tempt the cultivator to drive his plough through it. Once however the soil is turned up, the destructive moisture coxes up from below and baffles all oultivation. The drinking water resembles a mixture of oil and water and is very deleterious.

On the Moradabad-Sambhal road the Sot is bridged twice in the 19th mile one bridge being old with wooden top and the other unew masonry arched bridge with three spans

The Art is another small stream which, taking rise in Samhhal, enters Bildri
The Art.

and flows down its centre, passing into Budauu on the
south. Its bed is simest dry in the winter months
It has, however, a valley like the Sot, and large parts of it are so spongy as to
defy cultivation. Drinking water in the Art villages resembles in eppearance
that of the Sot and is equally productive of fever. A masonry bridge (five spans
of 25 feet cool) oresee the Art on the Mondahad Chandausi road.

Several schemes have from time to time been proposed for the introduction of canals.

Frojects for canals.

Sowing to the rise in the level from the Rămganga westwards already montioned. The one scheme which was found practicable, or, ut all events, not clearly proved to be the contrary, was that which came to be known as the Eastern Gauges Canal project. It seems to have originated, as early as 1855, in a desire on the part of the Government of the day to provide some system of irrigation for western Rohilkhand. After a few aurreys and reports had been made the outbreak of the mutury of 1857 suspended sill oper tions and it was not till 1867 that the project was resuscitated. Then an engineer was deputed to the spot, plans were drawn up and reports furnished but long before the muture was ut ull ripe the scarcity of 1868 69, by pressing

A name of on by the Rettlement Officer to the tract consisting mainly of land subject to this peculia ity

Boone of these projects are abown in the G. T. Burrey level charts. A. Rispanya and an Eastern Rispanya canal are exhibited, the former running almost parallel with the strer on its right or western bank and the latter connecting the Rispanya with its tributary the Dhela on the eastern bank. It is needless to say that these lines marely indicate surreys made before 1873.

severely on Bijnor, compelled the Government to provide work for the people, and the excavation of some eighteen miles of the Sambhal branch of the proposed canal, beginning at Rajabpur, on the Moradabad and Garhmuktesar road, was sanctioned. So far as the project had then been matured, it was contemplated to tap the Ganges at Shampur, in the Bijnor district, to bring the canal south, to within a mile or two of the Moradabad boundary, where the main channel was to split into two parts—one known as the Amroha branch, going past Amroha, Sirsi, Chandausi, Bisauli, Gotha, Amgáon, to Usahat, where it was to terminate in the Sot; the other, known as the Sambhal branch, going past Shaharpur, Bahjoi, Islamnagar, Alampur and Nakora, where it was to join a small stream which almost immediately after falls into the Ganges. The object of the canal was the irrigation of (a) the southern talisss of Bijnor, (b) the dry high-lying ridge of bhúr that extends from Chándpur, past Hasanpur and Islamnagar, almost to the south of Budaun, and (c) the Sot and Gángan Doáb.

Correspondence of the most voluminous nature, chiefly with reference to the carrying capacity and navigation of the canal, continued until 1873, when the last revised estimate was submitted by the Government, North-Western Provinces, to the Government of India, and with it a note by Colonel Brownlow calling attention to the diminished supply in the Ganges and the high spring-level of the tract to be irrigated.

The Government of India called for further reports with reference to (a) the probability of the returns from the canal developing with reasonable rapidity; (b) the amount of indirect revenue that might be calculated on through the absence of any necessity for remissions in bad years, and (c) the actual necessity of the Sambhal branch. In response to this requisition, the recorded opinions of Colonel Brownlow and the revenue officers of Bijnor, Moradabad, Bareilly and Budaun, were called for by the local Government. All were unanimously opposed to the construction of the canal

The objections were chiefly (1) that the canal was not required, the only parts of the districts that could be benefited being the sandy tracts, which formed only 23 per cent. of the area commanded, (2) that, owing to the high spring level, the river, valleys and low-lying lands would become swamps when that level was further raised by the pressure of a canal, 3) that, owing to the smaller volume of water in the Ganges found to exist as compared with previous supposition, the canals would probably fail to supply irrigation when it was most needed; and (4) that the people would not take the canal water if remunerative rates

24 HORADABAD

were charged, as they have an alternative supply in wells which are universally made over most of the area in question

Net expenditure of the undertaking

The project was finally abandoned in 1877 after a net expenditure of Rs. 2,70,5201 had been incurred.

In Thákurdwára. Lagoons and swamps,

Moradabad and Amroha tabsile there are no lagoons In Biları there are three or four, wido and shallow, but all or nearly all completely dry up in

The Sambhal swamp

January and fine spring crops ere grown on their edges. In Samhhal on the Budaun border to the south west there is a long wind

ing swamp running along the houndary for miles, produced by a sudden dip from the bhar tract Seen from the Budaun side of the swamp the bhur tract rises up in a long series of hluffs like a line of sandy sea-coast. This swamp is never altogether dry and is only passable during the hot months, and then with difficulty owing to the great depth of mind. It is a refuge

for snipe, black partridge and wild pig The Bagad lagoon, pur the Bagad lagoon practically runs the whole length of the tabell, sometimes narrowed to a small channel. It commonces near Sajmana.2 In the north is the Dhah near Asampur, formed by the Krisbna and Baha streams; and there are numerous pends clauwhere, such as the Samda The Dhab, Sanda, and and Jabda phile near Kanahta. The marshes of the Sot in Samhhai end Bilari have been already men

tioned in the paragraph about that river

*Fide surra p 18 4 These Roblikhand Rullway time-tables,

The Ganges and Ramgangas are the only navigable rivers, but they Navigation. are not used for that purpose to any great extent

The only railway at present (1882) open is the Oudh and Rohilkhand line. The main line runs from Benares to Moradabad, a dis-Communications Rail: the Oudh and Roblikhand tance of 419 miles, through Fyzabad, Lucknow, Shah jahanpur, Barcilly, and Chandausi 4 It onters the district near the village of Bairs Khora, 40-3 miles from Burelily railway station and 30-2 miles from Moradabad The branch line of 60 74 miles to Aligarh diverges at Chandansi and runs for 16 93 miles through this district. The total longth of meln and branch lines in the district is therefore about 47 miles. The railway is constructed for e singioline only on the gauge of 5 6 At Lincknow e branch from Cawinporo, and at Chandan 1 the branch to Aligarh just mentioned, connect the Oudh and Robilkhand main into with the East Indian Railway It is through Chandau i and Aligarb that the traveller will find his nearest route to Dehit and the Panish. 1 Or including simple interest, Re. 3.59 483 Pror a description vide supra p. 9 supra p. 18 These are the principal stations only as shown in the Oudh and

while for Calcutta he has the alternative routes through Ahgarh vià Chandausi and through Cawnpore vià Lucknow, the latter being somewhat shorter in actual mileage, although about the same in the length of time occupied. The direct route to Bombay is through Ahgarh and Agra (Rajputana State Railway); but if the Bhaupur-Kalpi projected line is carried out and joins an extension of the Gwalior-Bhopál system, a direct route without break of gauge will be provided for all Rolnikhand. The Ahgarh branch from Chandausi and the section of the main line from Moradabad to Chandausi were opened in October, 1872, and in December, 1873, the main line was opened from Bareilly to Chandausi. The main line enters this from the Budaun district and runs north-west for four miles, curving round to the north-north-east a mile or so beyond Chandausi. It thenceforward runs straight for nearly 20 miles (crossing the Moradabad-Chandausi road at Kundarkhi) and then makes a curve to the west

It was at one time proposed to construct a light railway at the side of the Moradabad-Ránikhet (11â Káshipur) road, but the projected lines.

Projected lines.

Projected lines.

favoured rival project is now under the consideration of Government for connecting Barcilly with Ráníbágh at the foot of the hills below Naim Tál But although railway extension in the north-east was thus checked, the Oudh and

Oudh and Rihikhand Rolnikhand Railway is now being continued through Railway, northern extension the north-west of this district into Bijnor, striking the Ganges at the Báláwála ghát. The two first stations of this projected line will be in this district at Mughalpur, eight miles up the Rámganga above Moradabad, and at Kánt in Amroha tahsíl. After that it will run viá Saliaspur, Seobára, and Dhumpur to Nagína. Beyond Nagína the route has not been finally determined, but may not improbably be by Najíbabad. A continuation beyond the Ganges is to run to Saháranpur 2

There are five railway stations in the district—Bahjoi, Chandausi, Biláii, Kundarkhi, and Moradabad, but of these Chandausi is by far the most important, as from it the greater part of the railway export trade starts 3

The roads are divided into four classes, the three first of which are shown in the following list, together with the mileage of each.

The fourth class are merely village-tracks. The first class are raised, bridged and metalled, the second class raised and bridged, but not metalled, and the third class partly raised and partly bridged:—

¹ Taking Cawnpore as the starting-point the distance to Moradabad via Lucknow is 263 miles and occupies 164 hours, including stoppages, and distance and length of time via Aligarh are 279 miles and 18 hours

2 Note by Mr L. M Thornton, CS

3 Chandausi has 11 sidings, Moradabad 7, Babjoi 2, and Bilári 1.

ohlikhand Trunk (Moradabad section Ditto (Diversion dutt Ditto (Mapur ditt	3 20	THER CLASS BOADS. Blisri and Budaun (vid Scondára) Sirai and Blisri Scondára and Chandauai	12
ohlikhand Trunk (Moradabad section Ditto (Diversion dutt Ditto (Mapur ditt) 1) 4) 20	Birsi and Bilári	
Ditto (Diversion dutt Ditto (Mampur ditte	3 20	Birsi and Bilári	
Ditto (!fmpnr ditte	و د ا∫د	Banding and Chandenal	
			10
		Secondára to district boundary (with	5
Naini Tal (Darhiat ditte		Rampur)	1 -
Ditto (Tarái ditte) 19	Chandansi and Tigri	47
	. 2	Chandansi and Shahabad	12
Gajraula and Dhanaura	. 3	Sambhal and Jus	18
M radebad and Bliner	_ *	Moradabad and Moghalpur	l ë
Jus and Amroha	_ 5	Amroha and Hasenpur	16
		Amroha and Thikurdwira	52
Total .	. 131		5
SECOND CLASS ROADS.		Amroha and Sherpur	22
m 1 (m) 1 (m -1, (-1111)	4	Thikurdwire and Kishipur	1 1
	. 19	Ditto and Jaspur.	a
	. 8	Ditto and Islamnagar	10
mil. 1 774 11	. 21	Ditto and Agwanpur (#M Dilári)	
Sambhal and Antipaliahr	" 28i	Gajranla and Birsi (vid Hasanpur)	17
34 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	52	Garania and Path	j 10
	. 4	G Jraula and Jogipum	2
	25	Hampper and Puth	
Darhiel and Kashipur	6	Ditto and Rajhera	13
O	17	Islammagar and Bahjol	1 7
	. 13	DDars and Burt minger	15
6 11 1 1 P 1 I I	111	Amroha and Uhindpur	9
	181	2 otal	321
Total .	167	Total of lat, 2nd, and 2rd class roads	649

The classification and names in the above list are those of the Public Works Department, but only sax of the reads mentioned are of any great importance. The first of these is popularly known as the Micerut read, and is motal standards. led for the whole of its course in this district, except

Els principal road: [ed for the whole of its course in this district, except (1) The Merra trad the last mide and a half beyond Tigri, where it descends into the bed of the Ganges. Tigri is opposite Garhmuktesar, and the road from the latter place to Meerut is all metalled; so that, except at the break made by the Ganges, the road is metalled and high, and in first rate order the whole way to Meerut. "This (writes Mr Alexander) "has been one of the greatest boons we have given to the district. Up to the rains of 1880, when a very exceptional flood breached the approaches to a bridge over the Gangan, it has always been open for the heaviest traffic between Moradabad and the west of the district throughout the year, and heing connected with Auroha and Dhanaura by two metalled branches, about five and nine miles long, has been most useful both for trade and for the convenience of travellers to and from those i laces. The way in which a road of this class is appreciated can only be understood by these who Luow the district, and the extreme difficulty there is in getting about it in the rainy season in any kind of wheeled conveyance

¹⁷¹¹ re l'icfore layo ran inte Moralabad crossing the Rimarung at Debri ghit and kirt i gitte nith 1 th cuty. In 1870 the diversit n-ection with a sale from the 7th mile of the will real to the ordinal of the Maint Tairread some to have bett one crossing of the litting unga. The four mile of old load across the Rimary generates the flux parameters of class real.

The roads in parganah Sambhal are for the most part mere tracks, even the (2) The Moradabad-Ali- main road from Moradabad to Aligarh vià Sambhal—garh road. which is perhaps next in importance to the Meerut road—being spoken of by Mr Smeaton in his rent-rate report as "a hopeless succession of ups and downs," although now said to be in better condition. Traffic on this road has decreased considerably since the railway was opened, but there is still quite enough (writes Mr Alexander) to make an improvement of this road greatly appreciated by the people of the district, and more especially by the inhabitants of Sambhal, where trade is decaying year by year, partly, at all events, owing to the difficulties of communication.

The road to Bijnor is only metalled for the first three miles out of Morad(3) The Moradabad-Bij- abad, but in future this will be reduced to one mile of mor road.

Interpolation in the rainy season, but it is rare that cart traffic is altogether stopped Bringing all the traffic from the south-east of Bijnor into and through this district, it is used to nearly the same extent as either of the two roads already mentioned, or as the next one.

This is the Káládúngi road, which up to the year 1879 was kept up as a (4) The Moradabad-Kálá- metalled road for the whole distance (48 miles), but is dúngi road. now only so kept up as far as the Kosi, or less than half way ¹ There is a good deal of traffic along this road on which Tánda, the rice emporium of this part of the country, is situated, but the violent floods caused by the over flowing of the Kosi and of the Rámganga in the rains constantly cut it up, and the difficulty of crossing the latter, which runs immediately below Moradabad, renders it of little use in the rains compared to the Meer ut road.

The road to Bareilly, which is also that to Rampur from Moradabad, is

(5) The Moradabad-Ba- metalled for nearly the whole of its course, but is kept
reilly road up rather as a military route than on account of the
trade which passes along it The road is, however, of considerable use to the
Rampur authorities and to travellers between that place and Moradabad.²

The last road, which requires special mention, is that viá Kundarkhi and

(6) Morádabad-Budaun Bilári to Chandausi and thence to Budaun This is not metalled, and in the rains traffic is impeded by the floods from the Gángan, but at other times of the year it is usually in fairly good order. There is, as already mentioned, heavy traffic along it, but on the whole it would probably be hardly worth while metalling it

¹Beyond the Kosi the road is repaired with stone procured from the river-bed. kankar metalling is used only up to the 18th mile from Moradabad (note by Mr Meares) ² Great damage was done to this road by the floods of 1880.

Sambhal tahail and the south of Hazanpur and Thakurdwara are worst off for communications, and Mr Alexander suggests that tolls on the traffic using the Moradabad Aligarb road and the Sambhal-Chandausi branch might be resorted to with advantage as a means of raising funds for improving them In Thakurdwara he doubts if improvement is possible.

Encamping grounds are found on the Meerut road (13th mile) at Burbanpur (80 acres), (25th mile) Rayabpur (80 acres), and Kneamping-grounds. (85th mile) Kumrala (30 acres) All three have wells Kumrala is in the Gauges khilder not far from the river near Tigri Supplies are obtainable from Gairnula for Kumrala and from Amroha for the other two encamping grounds. On the Bareilly road there is one at Ganesb ghat (88 acres), near the Kosi river, 12 miles from Moradabad. Supplies ere obtainable from that town and sometimes from the neighbouring villages, and it has a good On the Nami Tal road there are two at Manpur (3 acros), 11 miles from Moradabad, and at Darhial (32 acres), 22 miles from Moradabad have good wells and supplies are procurable from neighbouring villages the Rankhet road there are two at Shampur Hadipur (14 acres), 8 miles from Moradabad, and at Burhaupur (1 sore), 23 miles from Moradabad Supplies for the former are obtainable from Bhoppur and for the latter from the village near it. On the Abgarb road are Mainather (48 bigbas), 18 miles from Moradabad. drawing appplies from Bilári and Kondarkhi, and Rajhora (25 highas, 9 miles south of Samhhal and 31 miles from Moradabad. The latter has a brick well and draws supplies from Sambhal and the neighbouring villages Ou the Binor road is Chhailait, 14 miles from Moradabad supplies obtainable from Amroha or Kint encamping ground small Of the above, these on the Nami Tal read (Mannur and Darhial) and on the Ranikhet road (Shampur Hadipur and Burhanpur) are reported to belong to the zamiudars of these villages, but the rest to be the property of Government There are two dak bangalows in the district. one at Moradabad and the other at Darhial (on the Nami Tal read)

From a report supplied by the Collector at appears that for military pur-Supply of carriage,
poses the following carriage could be provided at the
beadquarters of the district, reasonable notice being
given: 11 elephants, 100 camels, 4,000 borses, 380 mules, 33,000 bullocks,
and 6,500 carts.

The chief hirdges are those of the railway over the Gangan (700 feet), the Ari (200 feet), and the Set (570 feet), besides smaller ones made in anticipation of the construction

In this fodgment Mr Meures, the late District Engineer does not coincide but remarks that while roads can withdifficulty be kept for reput in Hanapar the firm loam soil of Thikur dwin permits of good roads being mode. The remark, is the text may refer to the difficulty of providing funds rather than to the physical difficulties.

of the now abandoned canals. How the principal roads (not railways) cross the principal streams is shown in the appended statement, which contains also some details of military value regarding the breadth and depth of water and the nature of bed and banks.—

								
Road,	River.		Flooded	season .	Dry s	e 180n	Char acter	of
	Milver.	Means of transit	Breadth	Depth	Breadth	Depth	Bank	Bed.
st CLASS Idabad and Inl Tal on t and 2nd les.	Rám- ganga	Boat bridge from 15th October to 15th June, fer- ry for the rest of the year	moving water	7'-6" mean depth	250 ft moving water	3 ft average	South side high and of firm soil, north side low and sandy.	to a depth
adabad and am Tal on rd mile	Kosi	D *	1,000 ft moving water	6 ft average	100 ft moving water	2 ft average	Ditto	Sandy.
adabad and eerut on th mile.	Gángan.	Bridge of 7 spans of 28 ft, timber top on masonry piers	196 ft	10 ft average	112 ft	l'-9" average	East side high and firm, west low and sandy	Clayish sand
areilly on th mile		Masonry bridge of 12 spans of 11 ft	181 ft.	10 ft average	25 ft average	1	South side high and firm, north side low and sandy	sund.
ndabad and arcilly on 5th mile		Boat bridge from 15th October to 15th June, fer- ry for the res of the year,	moving water	6 ft average	60 ft	2 ft .	South side firm and high, north low and sandy	Sand,
ond CLAss radabad and ijnor on 5th mile	Karúla	Bridge of 6 spans of 201 ft wood en top on mason ry piers	under	9 ft average depth	20 ft	1'-9" average	Firm and well defined	Clayish.
adabad and ijnor on 5th mile	Gángan on 19th mile	Wooden on ma		6 ft	15 ft	2 ft	Ditto	Ditto.
radabad and ambhal on rd mile	Karúla.	Bridge of two massonry arches of 15 ft and one wooden top span of 15 ft		7 ft under bridge	Ţ		Very irregularly defined	
Ditto	Gángan on 5th mile	Bridge of 12spans 20 feet each wooden top		8 ft under briage	160 ft under bridge	2′ 6″	Firmand well de- fined.	Ditto.
Ditto	Sot on 19th mile.	Two bridges, old one wooden top 5 spans of 18 feet, new bridge arches of ma sonry, 3 spans o 25 ft	under bridges	14 ft old under bridge	45 ft	4 ft	Ditto .	Ditto.
radabad and ambhal on 5th mile.	Naktia	Wooden with ma sonry abutment and pier, span 19 ft	under	7 ft under bridge.	25 ft	2 ft .	Ditto	Ditto.
radabad and Ihandausi or Oth mile	1	Masonry bridge, a spans of 25 ft.		8 ft	15 ft .	2 ft	Ditto	Ditto.
rhiál and Ká hipur	Bahalla	Wooden with ma sonry abutment fallen in	1 -	6 ft	13 ft	3 ft,	Ditto .	Ditto

30 NORADABAD

The receipts, expenditure and not income of the ferries in the district, all

ferries.

of which are under the magistrate-collectors management, are shown for six years below —

Year				Receipts	Expenditure,	Net income		
 187 <i>5</i> -76				13 602	9 365	4 457		
1876 77	••	***		18 192	8,535	9 658		
1677 78		***		13,882	10 4**	8,461		
1878 9	•	-	•	7,721	7,527	194		
879-80		***	- 1	10,619	7 692	3,997		
880-81		-		12,915	0,314	4 671		

As compared with other districts the net income for Moradabad is small, and this is owing to excessive cost of maintenance for the Rámganga and Kosi river-crossings. Here Government owns all the boats and plant, and no mera could be persuaded to make anything like a fair hid for them, so that the new principle adopted by Government, in May, 1879, for all forries, by which the lessess own the boats and plant, could not be introduced. The expenditure of late years has been lecreased by damage resulting from heavy floods. In 1880 a flood came down so suddenly and rose to such an unprecedented height that the greater number of the boats and roadways were carried away and lost.

In the following table will be found the distances from Moradabad of the principal places in the district. The mileage is meadanted by read in

Town or t	rillage.		Distance in miles.	Town or		Distance in miles.	
Amroha Dilári Bachbráon Baolpur Rahjol Chahórá Chandausi Dhanaura Darhlái Dilá i Hisanpur Kául Kandarkhi	ens // te ens to ens ens ens ens ens ens ens ens	1111111111111	19 15 41 10 10 10 10 10 10 10 10 10 10 10 10 10	Kaithal Hoghalpur Naugloo Bédét Narkoli Fackbars Fipalaina Borjannagar Gendéra Sirii Kambhul Ti furdwára Lm i Ujhári	000 000 000 000 000 000 000 000 000 00	10 10 10 10 10 10 10 10 10 10 10 10 10 1	27 21 21 21 9 8 87 19 16 23 27 10

The distances from Moradabad of several smaller places will be found in the final or gazetteer part of this notice.

This part of the notice will be concluded with a few remarks about the climate and rainfall. The climate may be called healthy except in Thákurdwára, where the influence of the Tarái is felt; along the valleys of the Sot and Gángan, where the excessive moisture and the bad drinking-water induce epidemics of fever; and in part of the Ganges khádar, where similar results arise from the heavy floods. Fever accounts for over 60 per cent. of the registered deaths in the whole district.

Rainfall.

The average rainfall is larger than in most districts in these provinces. The details for the seven years 1868-69 to 1874-75 for each tabsil are as follows¹.—

Tahsil		1868 69	1869-70	1870-71	1871-72	1872 73	1873-74	1874-75	Aver-
Moradabad Bilári Thákurdwára, Sambhal Amroha	•••	19 22 20 21 22	29 36 35 36 31 27	46 48 67 53 34	44 42 50 40 46	42 45 63 36 50	49 47 89 38 64	54 72 62 30 48	40 45 48 36 42
Basanpur District	•••	21	32	46	42	46	45	53 53	36

According to the Meteorological Reporter the averages at the tabsils for periods of 20 years and upwards are as follows —

	L ·			
	Tahsil		Years of observation	Annual average
Moradabad			32-34	40 35 inches
Bılárı	•••		24	98 95 , ,
Thákurdwára	•••	•••	24	42 33 ,,
Sambhal	***	•••	24	36 35 ,,
Amroha .	•••	•••	24	38 18 ,,
Hasanpur	••		24	33 17 ,,

From the above it seems that the bhur tract gets less rain than the rest of the district. The most noticeable thing perhaps about the rainfall is that a much larger amount falls outside the regular rainy season than is usual in most districts of the North-Western Provinces. Rain is always expected about Christmas, and there are nearly always storms with rain in March, April or May. Hail is also common if the storms begin early in the year, and sometimes cause extensive injury to the crops.

¹ From Mr. Alexander's settlement report.

The following statement shows the monthly fall for each of the years 1876 80 and for each tahail —

		Theharinera.				Moredabed.					Aurole.				
		1876.	1878.	1879	1880	1876	1 1977	31.78	1879	0	1878	1877	1878.	167.6	1880.
April May Jone July August begreember	1	07 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 47 3 01 78 41 79 53 79 53 70 73	1 5 6 6 19 5 2 14 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	3-9 16 81 81 0-3 19-3	10 8 91 1 8	8 2 8 1 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 -	13-5 35 2 12 F 5 9 2 0	012 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 6 0 7 1 8 0 1 8 0 4 7 2 9 0 6	3*7 91 0*9 0* 1.9 1.4 1*4 5.5 5.8	14 17 19 08 08 42 204 60	0.5	1 1 0 3 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1
Total	-	312 30	2 81	55 4	89 4	843	57 1	_		86-0	188		40-4	88-0	85-2
			less)	1	_	-	8	anii.	• <i>1</i>	_		E	ilari	_	
		1676.	1876.	1470	1860.	1876.	1417	1870	1879	1860,	1076.	1877	167B.	18.9	1880
March Aptil Blay Juno July August September Oet ber November	1111111	03 08 24 10 04 22 43 09	18 17 18 00 00 18 00 18 10 17 14 17 14 18 18 18 18 18 18 18 18 18 18 18 18 18	2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13 01 03 25 21 27 161	1 0 6 0 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	89 06 01 02 01 22 18 02 48	14 11 04 12 03 08 52 134 63	01 04 12 19 4 20 9 82 11	0 1 1 3 0 9 8 8 10 9 1 4 10 9 0 7 0 7 6	0-3 0-3 10-10-3 10-3 2-3 8-5 0-5	01	97	000000000000000000000000000000000000000	1-6 0-2 0-4 8-6 8-8 1-6 2-8
Total .		22 7 1	2 17	45-5	248	18*3	217	218	78-7	28-9	21.6	27 6	37-9 	63.2	13 5

From its proximity to the hills Moradabad is cooler than most stations in these provinces, as a comparison of the following with similar tables for other districts will prove; but it must be borne in mind that the means only are shown in it:—

Mean monthly temperature

Yenr	•	January	Pebruary	March.	April	May	June.	July.	August	September	October	November	December	Year.
1853	••	543	63 7	76 o	785	86 5	89 2	838	85 5	85 7	77.7	675	585	75 5
1854	•	617	580	69 2	82 8	87 0	88 3	84 5	82 5	81.3	72 0	648	59 0	74 2
1855	•	55 5	e++	•••	••		•••	•••	•••					?
1866	***	5G 9	62 1	77 5	76 5	91 1	90.7	85 2	82.0	82 9	74 6	63.0	54 1	74 1
1867	••	59 0	63 8	73 3	83 3	90 3	• •	817	84 0	86-7	760	68 7	58 0	?
1868	***	56 7	61 7	69 7	817	87 7	90 7	90 7	89 3	87 0	793	70 7	60 B	777
- Mean	••	57 3	61 8	73 1	81 0	88 5	89 7	85 8	84 7	84 7	75 9	67 1	580	75 4

¹ These observations, taken at the hospital at Moradabad, were kindly supplied by Mr S. A Hill, B Sc.

PART II

ANIMAL, VEGETABLE AND MINERAL PRODUCTS

From its situation between the Doab and the submontane tract of the Tarái,

Fanna. we should expect the fauna and flora of this district to

be largely those of the plains with admixture of forms

peculiar to the sub-Himálayan region. Fairly exhaustive lists of the animals

and plants of the Doab and Tarái will be found in the fourth and tenth volumes

of this series, and it will be sufficient here to mention n few of the commoner

species found in the Moradabad district.

In the bush jungles of Thekurdwara and eastern Amroha tigors are somewild beasts. times seen and leopards have often been killed in the
rainy season. Spotted-deer (chiftal, Axis major), hogdeer (parha, Axis porcinus), wild boar (sur, Siss indicus), and nilgae (Portax pictus)
are found in the same tracts. The wolf (bhenya, Canis pallipes), fox (louri,
Vulpes bengalensus), badger (bijiá, Mellisora indica), otter (údbilan, Lutra nair),
weasel (nay'dla, Mustela sub-hemachalana), and porempine (sohi, Hystris leucura),
with monkeys (langur, Presbytis schistaceus bandar, Inuus rhesus), and moles
(talpida) are found more or less throughout the district. The rewards granted
for the slangitor of will animals are the same here as in other districts of the
division. The number of deaths from will animals and snakes during the
six years 1876-81 has been as follows.—

					- Number of deaths from				
		Tear		ĺ	Wild animals,	Snakes.			
1878					93	8 1			
1877	•••	***	•	1	82	78			
1678				- 1	129	36			
1678	pe#		-	1	28]	84			
1660	***	***	***	l	27	105			
1681	***	•			3	91			

The local breed of cattle is not said to be remarkable in any way, and the cost of plongh bullocks approximates to that in neighbour ing districts, averaging from Rs. 10 to Rs. 30 per head.

Sheep and goats are of the ordinary plants breed. The common native-breed person of the district can be unrehased as low as Rs. 20, and over sind breed.

Sheep and goats are of the ordinary plains breed. The common native-bred horses of the district can be purchased as low as Rs. 20, and oven stud breds do not seem to command high prices. Stud stallions are kept at the following places: Rojabpur in Amroha, Phulpur in Hasanpur, and Golat and Man in Sambhal.

Among the commoner game-birds found in the district are the quail (bater, Coturnix communis), grey-partridge (titar, Ortygorms pondicerianus), black partridge (kála titar, Francolinus communis), wild-ducks of at least 14 varieties, bustard, snipe (chahá, Gallinago scolopacinus), grey-goose (háns, Anser cinercus) and barred-headed goose (A. indicus). But the above does not pretend to be a complete list of even the common varieties. Of other kinds are falcons, eagles, vultures, buzzards, kites and owls among Raptores; shrikes, piddas, shamas, orioles, sparrows, and martens among Passeres, and wood-peckers represent Scansores. There is no trade in birds or the skins of wild animals; but the smaller kinds of game are trapped or shot by natives and sold to the European residents.

The kinds of fish commonly caught and used for food are the following:rohu (Labeo rohita), and maháser (Barbus tor), species Fish of carps; lánchi; singhára; heral; bhúr, chál, bám, a sort of eel; singhi (Saccobranchus fossilis), gaunch or gonch (Bagarius yarrellii),1 patharchatá (Discognathus lamta); Laraí; mutná, narain; chandali (Rohtee cotio); rakara; patosa; katúa; mailúa (Rasbora daniconius); ratkal, naúá (Glyptosternum striatum); chila; gichula, sakaria, bhirhua, moi, bhedal, khardá, sumiro;jhinga, shrimp, gingchá, crab; and patrá No attempt at scientific identification of the majority of these can be made here, but descriptions of many of them have been given in previous district notices 2. The rivers of the district having their origin in the hills at no great distance, the migratory classes, such as the maháser, remain in the low-country rivers during the cold months, as the hill streams are then too cold and too small to afford them sustenance; but when the rains commence, they migrate to the hills, turning into the warm sidestreams for breeding purposes These side-streams, to which the snow-water does not reach, are the natural breeding-places of most of the more valuable fish of the carp family residing near such places, and anything preventing their access to these spots, or destructive of the young fry raised there, must injure the fisheries. Of the young a large proportion remain in the hill streams until the next year's rains The local non-migratory fishes pass up small watercourses and channels in the low-country and deposit their eggs in irrigated fields, flooded plains, temporary tanks, or the grassy sides of lakes and rivers.

Full descriptions of the various means employed for catching fish, including dams and other wasteful agencies, have been given in previous notices. Dr. Day in his report on "The

¹ Is often called a fresh-water shark, partly from its voracity and partly from its underhung mouth and general ugliness. It attains a length of 6 feet or more. Day's Fishes of India, II, 495. In a few cases the scientific names have been added from the list in Dr. Day's report, but his orthography of the native names is defective.

HORADABAD

86

Fresh water Fish and Fisheries of India and Burmah" has recommended that fixed weirs, traps and nets should be prohibited that the mesh in fishing nets should never be less than one much between each knot that damming water for fishing purposes should not be allowed and that other measures should be directed to prevent the waste of fish, such as the abolition of "fixed engines. ' He does not think a close season in the plains absolutely necessary hat for the hills he would have one from July 1st to October 1st. The Superintendent of the Tarái depre cated any restriction on fishing there, chiefly on the ground that the tract of the Tarfu is excessively narrow (14 miles), and the fish found in it of little value, so that the result of the conservancy would be trifling. Dr. Day remarks on this as follows "If 14 miles length of rivers, existing between the hills where the fish ascend to breed and the plains to which they descend in the cold weather. ought to be permitted to be peached by fixed weirs it is difficult to understand why fish should be protected anywhere Here is their road, is such to be open or closed? Should all narrow highways be blocked?" A further objection urged by the Superintendent of the Tarál is (eccording to Dr. Day) that "small fish are the chief object of the fisherman a labour, and were catching them prohibited, perhaps the agriculturists would migrate

We o learn from the same report that the number of persons who are strictly fishermon hy trade in the Moradahad district is about Fishermen 5,000 hat this is not their sole occupation, as they also work as pally bearers, &c There are besides handreds of others-men, women and children-who in the rains either employ or amuse themselves in catching fish The large majority are Hindes. The apply of fish in the markets has fallen off since the matiny, and depends on the conjourness or otherwise of the autumnal During that season the cost of fish is about half that of an equal weight of the fiesh of sheep and goats, but during the rest of the year the cost of each is about the same. Nearly all the Musalmans and all the lower castes of Hindus are fish-consumers. Amongst Brahmans only Kanaujias are large fish-eaters. Banias declare they do not, but report says that even they sometimes, indulge in this kind of food Of late years the stock of fish in the waters of the district has, it is believed, largely decreased and this is the less surprising when we harn that the small fry are caught indiscriminately, and nots with meshes of only a quarter of an inch between the knots are commonly used. On the other hand hish are not trapped in their righted fields. The Ganges Itself is not much frequented by the local fishermen, but they drag the back streams and pools left by the rain flooris Sufficient has been said of the value of it has food

" in L. I her dated 20th January 18 2 quoted in Dr Day's report, p 189

field us food in the notice of the Shahjahanpur district.

Both varieties of alligators, the long-nosed (ghariál) and the snub-nosed (náka), the iguana (geh), the tortorse (kachhwa), lizards and all kind of snakes are found here as elsewhere in the plains, but space will not permit even an attempt to describe local varieties, much less can we linger over the lower orders of the animal kingdom.

To the flora of the district also little space can be allotted here. elaborate lists given in Vol X will probably contain Flora. all the submontane species and those in the introduction to Vol IV. give the plains varieties. The list of trees in the Sháhjahánpur notice probably omits few of importance found Trees in this district, and their uses are the same as there described. Among Meliacew the nim or arad-darakht (M. indica), which, as its second name denotes, is self-sown, subscives a large Nim The Hindu constructs number of useful purposes from it his wooden gods, his eart, and his plough He uses the bark as a febrifuge, the leaves for poultices, the gum as a stimulant, the seeds to kill insects and for washing the hair, while from the fruit is obtained a fixed, acrid, yellowcoloured oil which is used to burn and, although it smokes badly, is valuable in medicine as an antiseptic and anthelmintic.2

Amongst Leguminosæ the dhak (Butea frondosa) is the commonest form, and is also variously known in these provinces by the names palás, kakira, kankrei, chichra, and chalcha. Its wood is not durable, but is reputed to last fairly under water, and consequently we find it employed for well-curbs and piles. The bark of the root yields a good fibre which is used for coarse cordage, for caulking boats, and to make slow matches. The gum is sold as "Bengal kino," has the same properties as that obtained from Pterocarpus marsupum (bija, bijasál or piasál) and is said to purify indigo. The seeds are used as a purgative and vermifuge, the leaves as plates and also as fodder for cattle. It has handsome scarlet flowers, which appear before the leaves and give a yellow dye used with alum at the Holi festival. The lac insect lives on it and in their millions they furnish the lac-of commerce (see Mirzápur)

In the same order we find the imli³ (Tamarındus indica), the wood of which is highly prized, although extremely difficult to work. It is used for wheels, mallets, planes, furniture, &c, and is an excellent wood for turning. The use of the fruit as a laxative is well known.4

¹ Very complete lists are given in Vol X, which more or less apply to all Northern India.

2 Gamble's Manual of Indian Timbers, page 70

3 Ambli or amii

4 The "Tamar Indian" is made from it.

88 MORADABAD

Preserves are also made from its fruit, the leaves are used in curries and the seed, ground to power and mixed with gum, gives a strong cement. One of the most beautiful of Indian trees, it is naturally largely planted in avenues and groves

Of Acacies the most common forms are the khair (A. catechu) and bahúl'

(A arabica) The first (A catechu) may be described

as a moderate-aized, gregarious, thorny, deciduous tree.

Its bark is dark grey or greyish brown, rough, and exfoliating in long narrow slips. Its sapwood is yellowish white, and heartwood either dark or light red and extremely hard. It is common in most parts of India and Burmah, extend ing in the Sub-Himalayan truct westwards to the Indus. The growth of the Himálayan tree is moderate, but when young it shoots up quickly and its reproduction on nowly formed sandhanks is sometimes very remarkable. It is often confused with A suma (saikanta), from which it may be recognized by the bark in A suma being white, while in A catechait is dark colored,-and it has two varieties. The wood of this tree seasons well, takes a fine polish and is very durable. Its immunity from the attacks of white-ants and toredo makes it emmently serviceable, and rice peatles, oil and sugarcane crushers, agricultural implements, bows, spear and sword handles, and wheelwright a work are some of the many uses to which it is put. It is one of the best woods for chargonl and has been found good for railway sleepers. Its product, catechn (katha or ontch), is obtained by boiling down the wood cut into chips Oatechn is largely need by the natives of India for chewing with the betal leaf, and is largely exported to Europe for dyeing and tanning. It is used medicinally as an astringent in fovers and other maladies.

The babel (A. arabica) is both self grown and cultivated. It obtains a girth of 2½ feet in about 12 years and 5 feet in about 30 years 1f well seasoned the wood is very durable. Its uses are similar to those of A catechu. The gum, which is similar to gum ambic, is largely collected and used in native medicines and in dyeing and cloth printing. A decoction of the bark forms a substitute for soap. The pods when unripe are used as an astringent and for making ink. They are also

Of Rhamner the well known ber (Zizyphus jajuba) furnishes wood for
anddle-trees, agricultural implements, oil mills, &c., and
its fruit is commonly eaten. It is almost an evergreen

given as fodder to cattle, sheep and goats.4

¹ Also called kitar ² Ilid page 183; see also Gar X. (part L), pages 83, 723, 749

723, 735 815. Acacla wood cannot be reasoned so as 10 prevent its warplur, 11 is hard and does for use in blocks, but not in plants (sole by Jir W C. Beneti C.S.) ² The tree gumerable is the produce of A. revs a tree of Arabla, Lgypt and Northern Africa.

Gamble 8 Manual, page 151

shrub. Ber is also the native name for Z. nummularia, the leaves of which furnish fodder for sheep and goats. Kat-ber is the name for Z. xylopyra, the fruit of which, unlike that of the two last, is not edible, but is used to give a black dye to leather.

Of Myrtaceæ the jaman¹ (Eugenia Jambolana) is a common form growing throughout India and ascending to 5,000 feet in Kumaun. It is an evergreen tree, its wood is a reddish-grey, is rough, moderately hard and used for building, agricultural implements, well work, &c. The bark is used for dyeing and tanning and is an astringent employed in cases of dysentery. The fruit is eaten, and this is one of the trees on which the tasar silk-worm is fed

Of Urticaceæ the pipal (Ficus religiosa) or sacred fig-tree is a conspicuous component of avenues, as it grows quickly and well either from cuttings or seedlings. It is rarely felled owing to its sacred character, but the leaves and branches make good elephant fodder and the young leaf-buds are sometimes eaten as human food in times of famine. The leaves, bark and fruit are used in native medicine; and the bark gives a tenacious milky juice, which hardens into a substance resembling gutta-percha. The pipal is most destructive to buildings, walls and trees from its habit of forcing its way through the two former and growing upon other plants (whence its botanical epithet "epiphytic"). In the same order is the banyan 2 (F.

Banyan.

Banyan,

Banyan.

Banyan.

Banyan.

Banyan.

Banyan.

Banyan.

Banyan,

Banyan.

Ban

Of Malvaceæ the cotton tree or semal (tribe Bombaceæ, B. malabaricum) is found everywhere. It is a very large deciduous tree with branches in whorls, spreading horizontally and having buttresses at the base of its stem. The wood is not durable except under water. In Bengal and Burmah the trunk is often hollowed out to make

¹ Also ealled jam, phalinda, jamni, phalani, pharenda, phaunda, paiman in northern India, and has numerous synonyms in other parts of India.

²Bor, bar, ber, bargat are common native names.

40 MORADABAD

cances. It gives a brown gum used in native medicine, the collection of which commences in March and ends in June. It sells in the Kumanu Division at one and per ser. The use of its cotton for stuffing pillows and quilts is well known

Much as we might wish to extend this description of trees beyond the above very brief enumeration of the commonest forms, space compels us to pass on to the more important vegetable products that provide the staple food of the people. The following statement's shows the agreege occupied by the different principal crops

following statement, shows the acreage occupied by the different principal crops.

Crops. of both harvests during three recent years (1286-87-88 of the barvest era corresponding to 1878-79, 1879-80, and 1880-81)

The details for irrigated and dry areas are given separately —

						1268	1287	1288
	AUT	THE (K	MARIY)			Acres.	Астеа,	Acres
		(Irrigated	••	110	3	ic
Juár	•		- 1	Dry	-	40,913	34,572	32,557
Bijes				Irrigated	***	187		l ′4i
nelue	pa-1	•	***	Dry		76,201	1,06,288	100 449
Arhar			1	Irrigated	••	90	1	
TI III	_		- " (Dry		497	409	627
dra Los rant	ar .			Irrigated Dry				9
						18,109	8,586	32,817
Bájra and arl	LAT	***		Irrigated Dry	•	31,935	22,357	29,378
				Irrigated	=	3,627	307	#2578 #28
Maizo	***	***		Dry		19,077	12 800	8,881
				Irrigated		1 144	310	1,515
Rice	100	944	1	Dty		41,101	1 69,546	1,80,032
				Irrigated		2	8	31
Urd	-	•••		Dry		26 171	39,948	43,398
			-	Irrigated		***	7]	
Moth	904	***	- 1	Dry		24 475	97 454	40,493
Cotton				Irrigated		941	46	8.3
COLIGI	••	-		Dry	144	18 451	7,348	7,000
Cotton and a	-her			Irrigated		500	17	103
COLLUB ALICE	I HAR			Dry		35 427	50,217	30,490
Sugarcane				Irrigated	-	95 990	25,678	3) 734
Dugareme		-	***	Dry Irrigated	**	15719	8,875 815	8 878
Indigo			***	Dry	***	116	82	84 28
				Irrigated	•••	i ii	0.3	7
Juar fodder	port	***	***	Dry	-	g 433	6,497	9 406
				Irrigated		1	2,127	
Gåir khurti	•••	***		Dry			109	
				Irrigated	-		1 07	1731
Garden erop	6 f00U	***	***	Dry			200	234
				Irrigated		3 114	277	297
Ditto	non-food	~	-	Dry	•••	612	87	43
Miscellaneon				Irrigated	***	2,9 8	\$57	481
TI Tecet mine or	12 100g	***	•	Dry	•	62 533	52,883	23,512
Ditto	non-food			Imigated	₩.	534 -	93%	14
Ditto	202-1000	***		Dry	•	6,212		4 245
The table	l of autumn			[Irrigated	114	37,525	28,787	29 654
100	or satama	crops	•	Dry		4 16,848	5,30 056	4 93,789

NOTE.—Moth and and are grown on a very much larger area than that above shown, but are mixed with july being and other and therefore included in the areas shown under those crops, I kindly supplied by Mr J B, Fuller Assistant Director, Department of Agriculture and Commerce, North-Western Provinces and Undh.

				 ,			
					1286	1287	1288
	Spi	BING (Rabi).		Acres	Acres	Acres
Wheat	•••		[Irrigated	,.,	28,697	6,412	2,537
		•	"'\ Dry	***	2,10,992	2,33,722 341	2,65,190 253
Wheat and bar	le y	••	{ Irrigated { Dry	•••	3,526 79,349	69,923	78,388
****			(Irrigated	• }	772	274	114
Wheat and gra	m	• •	" { Dry		8,810	9,765	14,225
Barley			∫ Irrigated	.	3,708	319	726
Dariey	•••	•••	"' \ Dry	•••	48,891	41,163	62,046
Barley and gra	ım		Irrigated	•••	1,910	181	244
-,			(Dry	•••	15,632 853	16,569 152	22,893 380
Gram	•	***	Irrigated Dry	• }	22,789	33,981	34,313
_			{ Irrigated	••	149	14	11
Peas		•••	- } i)ry	•••	798	1,147	2,046
Manne			(Irrigated	•	89	8	4
Masur	***	•••	· Dry		7,286	7,071	10,517
Potatoes			f Irrigated	••• }	859	641	639
2 Oldioca	141	•••	¿ Dry		21	60	36
Opium	140		{ Irrigated		1)	•••	19 26
•			"'\ Dry	***	1	160	494
Tobacco	•••	•••	··· { Irrigated Dry		789 67	168 38	32
			[Irrigated	.:	0,	755	1,030
Garden crops:	food	***	··· } Dry	1	40-	398	178
Ditto	non-food		(Irrigated	· · · · · ·	1,204	8	13
Ditto	11011-100G	***	" { Dry		144	17	2
Miscellaneous	food		f Irrigated	***	1,700	851	26
	2000	•	§ Dry		22,841	23,099	2,283
Ditto	non-food		{ Irrigated	••	618	2,050 10,125	230 15,385
			" { Dry	•••	11,129	10,125	
Total	of spring o	erops	[Irrigated	•••	43,775	11,674	6,710
	o_ op6		(Dry	•••	4,28,750	4,47,078	5,07,510
	H	EXTRA	Crors.				
Melons			§ Irrigated		394	285	263
TICIOHO	***	***	' { Dry		83	1,754	2,522
Vegetables	411		Irrigated	***	40	214 18	139 <i>5</i> 3
-			₹ Dry ≀Irrigated		343	51	153
Miscellaneous	food	• •	··· Dry	•••	2,861	73	182
D.445	non-food		(Irrigated	••	43	21	2
Ditto	non-100d	***	Dry		117	1	411
m	. £		(Irrigated	•	820	521	557
Total	of extra c	rops	{ Dry	•••	3,061	1,846	2,757

In the autumn the small bulrush-millet bajra (Holcus spicatus or Penicullaria spicata, sown alone or in combination with the pulse arhar (Cajanus flavus), occupies in normal years from a fourth to a third of the entire area of cultivation. Of the large millets, juar (Holcus son glum), often similarly combined

and til (Seamum orientale) Mr. Alexander writes —

"Jair is most exten ively grown in Sambhai and ien t in Thikunlusina; bijra most to sambhai and fi isr iand ien t in Thikundwina; antika most in Hanapar and Moraland sambhai i rice most i Thikundwina; antika most in Hanapar and Hanabara; mo gan't m th most in the appar and Amroba and ien tin Bila land Moralabara; cotton, sambara wheat extheries are universally grown though the outcome of cour oracles with the sambara.

mung (Plascolus mungo) are rarely sown alone but in combination with indi-

Wheat colourly are university grown though the outcarn of cour or arises with thou of Wheat (gebnu, Tritteum saturum) is grown all over the district, but best crops are obtained in the Litilar of the G

Briegerepe in the Katelir tract in Sambhai in Bilari, and in the katelir tract in Sambhai in Bilari, and in the katelir tract in Sambhai in Bilari, and in the test class of villages in Moradaind und Thiknedwar. In appoint to occupi more than half the vibole in a good year. Som with the unity (Jau, Horden keenticken, the crop is called anyas. A mixture of the class of careful care of the in called topiar, tephra, napira, packa (17), gauchani or birr three of them is called topiar, tephra, napira, packa (17), such as radiable to the first My of regelables and spiceties.

potatoes, turnips, arwi or ghuíyán, yams, chillies, endives, anise, parsley, fenugreek, coriandei, senna, gailic, onions, pumpkins, gourds, cucumbers, egg-plants, cabbages, cauliflowers, spinach, beans and fennel.1

We shall not need here to emulate the elaborate descriptions of agricultural processes given in several preceding notices. These processes differ in no important details through-Agriculture out the Rohilkhand districts. The implements used are the same, the hoe (phaura) and mattock (Last) for very small holdings, and the plough (hal)2 for larger ones. A pair of bullocks costing about Rs 20 would, it is said, suffice for ploughing about seven acres of ordinary land, and Rs 40 represents the approximate value of the average cultivator's agricultural stock, bullocks and implements included. The number of ploughings, which commence directly after the rain falls in June, varies from three to twenty. Levelling follows ploughing, and is effected by using a log or beam of wood as a rude harrow (patela, pataila), ploughing and harrowing again take place after the seed has been sown · sowing is done broadcast.

But a brief summary of the condition of agriculture in each of the six Its state in the various tahsils.

In Thákurdwára.

tahsíls may perhaps be given here with advantage Thákurdwára the total number of ploughs was stated by Mr Crosthwaite at 15,232 in 1876, giving an area of 6 52 acres to each plough Rice is the staple elop,

although sugar is largely grown in the good villages, the kinds of rice chiefly grown are sáthí and anina Cultivation has extended very slightly, and the only sources of irrigation are wells, ponds, and streams In ordinary years irrigation is not a necessity in this tabsil, except for sugar. Water being near the surface, kachcha wells are readily made

In Moradabad tahsil, wheat in the spring (rabi) and rice in the autumn (kharif) are the staples, sugar and cotton not being In Moradabad grown to any great extent The area of double-cropped lands is very large, amounting to 21 per cent of the cultivated area is nearly all rice land and generally such as admits of growing the better sorts of rice From good well-manured land a very fair crop of wheat or barley may be had after nice The process of this do-fash (twice-cropping) cultivation is often of the rudest kind. When the rice is cut, advantage is taken of any moisture left in the soil to scratch the ground hastily with the plough and a mixture of gram, linseed, and bailey is thrown in and left to take its chance With such absence of care, it is no wonder that frequently this second

¹ For vernacular names see Gaz, VII, page 449 ² For descriptions of various forms of this implement see Gaz, IV, 514, VII, 451, and Mr. Fuller's Agricultural Primer.

44 MORADABAD

crop is not sufficient to cover the cost of seed and cultivation, while the practice exhausts the soil. The common lever well (dhentli) is almost always used Not more than half the water, however, is required here that is needed in the Doáb. If the usual winter showers come, only one watering is given to wheat and frequently none at all. Ponds and lagoons are, however, taken full advantage of, where they exist, and especially during breaks in the rains

The river system in the east of Amroha affords great facilities for rice cultivation after the control of this two well marked tracts exist, the one to the east growing

the agraul varioty, and that to the west the chia. Of these the agraul is the more inxuriant, but it requires much irrigation, and the juice, though abundant, is often very inferior for angar making purposes so that compared with chia it is not a favourite orep. Chia is a hardy thin cane which stands a great deal more than agraul will. It especially suits a tardi or khddar soil, where it is often grown with little or no irrigation. The onteome of juice, though from the thinness of the cane it is small, is of good quality, while its hardiness recommends it as an oconomical crop. A third variety of cane, called dhaul, is described by Mr. Alexander as something between the last two kinds. It is more stunted than agraul, but stonter than chia, and its juice is the most sought after of all three varieties. This also is found in Amroha in large quantities. Rice of a fine kind is grown in the lifenganga khidar, but elsewhere the satist sort is grown. Rivers, pends and wells (both percolation and spring) are used for irrigation.

The staples of Bilari are sngar, grain, and cetten the last for home consumption, the two former also for export. How cultivation has inorcased will appear from the fol

lowing extract —"Thirty years age writes Mr. Smeaten in his rent-rate report on this tabil, "no encoused the spade in preparing his field for its crep waste and grass were abundant and every one could keep his two pairs of hillocks for next to nothing. Now that the waste is being fast reclaimed and holdings are in such demand graxing is at a promium in fact it is not to be had in very many villages. The consequence is that tenants have to sow four highest of chart (just') to feed their plough bullocks; and this makes a hole in the tonants holdings. It is not every cultivator who has an area sufficient to make it worth his while to keep hullocks; four highest devoted to their feed would leave hut scant area for ather crops. Many therefore profer the spade, which, although it only accomplishes one-fourth of this work done by the plough in the same time, does it well and costs much less. In many

cases tenants who have no oven, or only one (Chamáis for instance) labour for the more affluent villagers and take, in her of wages, the loan of their bullocks and their plonghs" One feature in the cultivation of this takefi is noteworthy—the very little garden (gauháni) tillage. There are no vegetables, tobacco, opium, &c, in little plots near the village sites, nor any orchards as in other parts of the country. The reason seems to be that sugarcane is the favourite crop, and the fields where it grows are scattered everywhere, without regard to proximity to or distance from the hamlet. As all the available manure is devoted to the cane-field, there is none for producing the rich gauhán soil necessary for garden cultivation.

An apology is hardly perhaps needed for quoting Mr. Smeaton's account of sugarcane cultivation in this tabsil, and it will stand with little modification for the whole district.—

"From July to January the soil on which it is to be cropped is most industriously tended. It is ploughed up and beaten down twenty or thirty times and manure supplied from time to time The moment the rains cease mud walls are built all round the selected meas and crested with thorus. If the Christmas rains have not been sufficient, the tenant makes two or three earthen wells around the edge of the plot and gives it two or three waterings. He then plants the cane. After planting he drives his clod-breaker over and levels, and ten days afterwards loosens the upper The pleees of stalk planted are chosen from the upper part of the caue, they are taken in joints, one or two generally from each cane. Those joints meant for planting are, at the time of pressing, stored away in a heap under the ground, to prevent them from drying up before During the rainy weather The soil is constantly watered till rain comes down The cane is cut in November and December in quantitles suffiweeding is diligently earried on cient to give the mills work day and night. At this time, too, the 'kliandsalis' or sugar manufacturers select their villages and build on them their little temporary manufactories destined to This coarse sugar is nearly all made by the end of Febinary. turn out the 'rab' or coarse sugar The khandsalis then transfer it to their headquarters, generally one of the central villages, Bilari, Kundarkhi, or Chandausi itself, where it is prepared 1 he purifying process is a very rude one The coarse brown rab is put into bags, which are then ranged between two bamboo frames Five or six lithe men hanging on ropes dance on the top of these bags till they yield up all the juice The dry article is then heaped up in a small room, and a layer of the 'siwar' grass, which grows under water in small streams, is spread on the top — The effect of the application of this grass is to further bleach the sugar, the remaining juice (or 'shira') trickling out below into prepared vessels The sugar has by this time assumed a whitish colour. It is then spread out in a thin layer on a huge mat placed upon the ground and subjected for hours to pressure from the naked feet of the sugar treaders This process is the final one The article turned out is 'khand' It is then sent off in large canvas bags to its destination or sold to local confectioners, who make their sweetmeats and loaf sugar by further processes of their own"

Irrigation is obtained chiefly from wells of the earthen (kachcha) kind, and these are worked either by hand (dhenkli) or with bullocks. Water is applied to young wheat to drive away the white-ants, but its chief application is to cane. It is remarkable that white-ants do not touch the gram root.

46 NORADABAD

There is no difference between Sambhal and Bilári in methods of cultivain Sambhal, tion or kinds of crops, except that the bide-country is
of course only fitted for kharif cropping and that melons
are grown in Sambhal parganah in the little alluvial deltas of the drainage
channels.

In Hasanpur there is virtually no irrigation. In the bhur the water level in Hasanpur.

13 low, the soil is treacherous, the supply very scartly indeed, and the well itself in constant peril of falling in. In the khddar a little irrigation for sugarcane is obtained, in droughty seasons, from the rivers. The backwardness of this tabull in collivation is attributable to its poor soil, impoverished people, and high produce-rents. Near the winding lagoon (j/tl) the antumn (kharff) produce is almost exclusively rice, chiefly of the variety known as munp, and thus is often followed by a second crop of barley in the spring. In the khddar, eats are grown on a considerable area.

The spurces of irrigation available in each tabell have been briefly alluded irrigation State wells to in the above paragraphs, and the following extract from Mr. Alexander's report adds all that can be said about this sulfect here.

" Masonry wells re rarely used for irrigation, except in Bilari and the south-east of Sambbal. Earthen (& choic) wells w thing by the lever are need in the rest of the district for case and gurden crops (daski das); but the area which ear be matered from one of them is so small, and the supply yielded by percolation in a dry year in January Tebroary and March is o quickly ex hausted, that the people seem to have given up the frigation of the rables a had job, except where as along the I goods in south Hammpur or along the numeron small streams in Thakur dwars, some special nat cal facilities have been met with Doubtless the cane cultivation has had a good deal to do with it for no sooner is the farmer free from the task of pre-sing the case he has cut in December or January than he has to begin preparing the land and sowing his next year's crop. Still even allowing for this, if, as i think is the case the cultivator on count on almost always getting four in five muon is an acre extra by irrighting in a year of average rain fall, and more in an excessively dry one the expense which he wo 11 have to locar in using bired labour would be well repaid him. The real reasons why irrigation of the rabl is not more con mon arem to me to lie first, in the difficulty of topping the apring and thus obtaining sufficient water for a masoury well in constant use; and secondly in the faults of character which long continued oppression has developed in the cultivators as a body. Of the difficulty of constructing masonry wells is the west and north west of the dl trict the experiment which Government is now (1850) making is sufficient proof. It seems to be established by this experiment, so far as it has now gone, thit the permanent spring is, except in a few exceptional localities at a great depth below the surface, not less than sixty and often as much as one hundred feet ; and this is quite enough to account for mesonry wells not being in use though it is not alone sufficient to account for the way in which the people let their crops perish without making the use they might of their percolation wells and of the ponds and falls, which could with some trouble often be utilized, though they are not now "

A full account of the experiment referred to in the passage just quoted will be found in the Fourth Annual Report of the Department of Agriculture and Commerce for the year ending 31st March, 1882. One object of the experiment appears to have been to ascertain if the said could be kept from choking up the wells, and this has not yet been determined.

It remains to notice Mr Alexander's experiments made to discover tho yield of various crops. The crops taken were bujia, Outturn of various crops rice, and cotton in the autumn, and wheat in the spring In 1875-76, a normal year, experiments extending over 37 villages hai vest showed the yield of bajra to be grain, 71 maunds per Bajra. acre, stilks, 22 In 1877-78, when the kharlf very extensively failed, the average produce of grain in three tabilis was-Moradabad, 3 maunds 36 sers; Thákurdwára, 4 manuds, 12 sers, Hasanpur 1 maund, 13 But Mr Alexander was inclined to believe this average to be too high, as it made no allowance for land on which, though planted, the crops never came to anything; and this area was extensive, especially in the Hasanpur tabsil In 1878-79, which was a year only slightly below an average one, the yield in three villages in the bhur tract in Hasanpur was 4 mainds 37 sers per aere. On the whole, Mr. Alexander would put the average yield of bajra at 6 maunds an acre, noting that it is rarely grown without urd or moth being sown with it

For a fair average crop of rice Mi Alexander estimates 13 maunds of grain and 24 of straw, but adds that, the fluctuations being very great, it would be safer to put the average all-round produce, taking good years with bad, somewhat lower. Of the two varieties of rice-crops, the early saths or coarse quality produced, in 1875-76, grain 12½ maunds, stalk 22; the finer grain 9½ maunds, stalk 21. In 1879-80, Mr. Alexander found as much as 16 to 19 maunds per aere of the later rice, exclusive of the weight of the stalks, so heavy indeed was the crop in Amroha, Moradabad, and Thakurdwara that large quantities were spoilt before it could be all got in, labour being searce owing to the prevalence of fever.

Satisfactory evidence about the cotton erop is very difficult to procure, as it takes so long to collect the produce. But in 1875-76 the average was 5 maunds, including seed, by experiments in 37 villages in Moradabad; while in Hasanpur the outturn was, in 1877-78, 7 maunds, and in Bilári 6, by experiments in 12 and 5 villages respectively.

¹ From enquiries made in the Moradabad tabsfl

² In Amroha tahsil

The experiment on wheat crops was mode in the spring harvest of Wheat.

1877 78, a fair average year. The yield of graio in Hasanpir was, an irrigated loam (dúmot) of the first quality in the bdingar' tract, 14½ mannds in unirrigated loam of the first quality on the bding, 9 mannds; ond an good bhir, unirrigated, 7 mannds. In this year, however, there was some winter rain, and the real difference between the sandy and loam soils did not come nut. Experiments in Morad-fixed and Bilári showed slightly different results, varying from 14 to 7½ mannds of grain, and 22½ to 12 of chaft (bhilds)

The advance in tillage during the thirty years preceding the recent settle—

Advance of tillage.

Advance of tillage.

Ment differed in the various talisfis, but for the whole district it may (thinks Mr Aloxander) be stated at nbent 25 per cent. The rent rate reports enoble nate above the increase for each tahail. In Bilári the increase in coltivated area was 54.9 per cent. In Bambhal, 54.96 in Moradabad, 43.1.5 in Hasanpur, 29.80.5 in Amroha, 25 per cent, and in Thákordwára, 14.27 per cent. These voriations are denth less dependent on the natural quolities of the soils, the character of the populatice, facilities for bringing to market the products of cultivation, and the varying degrees of severity with which droughts and other calomities have visited each tahail, as well as lie-qualities in the revenue assessments. It must not be forgotten, too, that the measurements at the penultimate settlement, on which the comparison is instituted, were very roogh and unreliable.

Of the natural checks on the advance of tillage, reh, weeds, blights, floods
Natural relamities, reh
and dronghts, the last alone ments a lengthy description. The saline offlorescence known generally as reh,
nord locally as kallar, is chiefly found in the clay lands of the Ganges allovial
tract. It has been described in soveral preceding notices (see Shiellanandar)
and Cawreone. Weeds are amenable to hashandry and ore too numerous to
be named and described here. Bilght is caused by a vast number of losects,
a description of which is deforred to the Aramoann notice, where o detailed
account of them will be given Theods, as we have shown, do much damage
to the ontains (kharif) crops near the rivers, but there is a compensation in the
splendid spring (rah) or one that follow

¹ High land. Samly soft. I beluding revenue-free lands; excluding them 557 per cent. Excluding revenue-free lands, for which the proportion of cultivated and louren at the penultimate settlement caroot be ascertained inclinding revenue-free lands, without them it was 5278 Including revenue free lands; without them it was 3775 Yacidd greecome free lands. 1 dem. Gaza, VL, 40 A list and descriptions will be found in Mr. Crooke a Bural Glossary, page 55 See also the work just quoted, page 51

But for droughts we look in vain to find any compensation, and of these unmixed calamities the district has had its full share; while the absence of artificial irrigation has made it (and, until canals are provided, will make it) difficult to mitigate their severity. Six famines have visited the district since British occupation, besides the earlier ones, of which all that is known—and that is little—has been collected in Mr. Girdlestone's report. Of the six famines during English rule the first was in 1803, the second in 1825-26, the third in 1837-38, the fourth in 1860-61, the fifth in 1868-69, and the sixth and last in 1877-78.

The first of these, that of 1803-4, visited Moradabad with great severity, while invasions of Marhattas and Amír Khán's raid aggiavated the distress. By the end of July, 1804, when the rain began to fall, Moradabad had attained the unenviable notoriety of having the largest balances (Rs. 9,32,759) of any of the surrounding districts.

The next famine was aggiavated by the practices of Famine of 1825-26

rack-renting and throwing lands out of cultivation-

In the famine of 1837-38 Moradabad suffered less than the southern districts of these provinces, and indeed Rohilkhand generally may be said to have escaped with comparatively slight injury. The famine of 1860-61 was the natural consequence of the dry and unfavorable weather which the north-west had experienced since the middle of 1858.2 No rain fell till the 13th July, and such was the distress that the people were driven, it is said, to the use of mango-stones as an article of diet. These were sold at 1½ maunds for

a rupee, while the price of wheat was ranging from $11\frac{1}{2}$ to 14 seers. A fall of rain between the 13th and 18th July induced a hope that the worst results would be averted, but this proved deceptive Still Moradabad is not included in the parts where the distress was most intense and is not consequently marked black in Colonel Baird-Smith's map The Collector was Mr (afterwards Sir John) Strachey, and his measures for relief are mentioned in detail in Mr. Girdlestone's report Thefts and robberries were frequent.

In 1868-69 Moradabad suffered partly from drought and consequent high prices, partly from the incursions of starving emission Rajputana, and partly from the general exhaustion of stocks in Robilskhand, which the heavy rains of 1869 brought to light. The disastrous effects

¹ Omitting minor visitations ² Girdlestone's Famine Report, page 71.

of the drought were aggravated by the unfitness of the sandy soil for the construction of temporary (kachcha) wells. The measures undertaken for relief were suspension of the revenue demand, and famino works and poorhouses. Mr Manderson, the Collector, started local relief works in January, 1869, and until July these consisted of excavating tanks in Hasanpur tahail and cutting junglo in Thákurdwára. After July his enccessor, Mr O A. Daniell, carried on operations upon the district roads. The total cost of these works was Rs 16,858 of which Rs. 8,850 was debited to a special grant from Government and the balance to local funds The daily average of persons relieved varied from 54 in January, 1869, to 2,115 in August, when distress was at its height. In September the numbers were 1,182, and the works were closed in that month Bosides these, however, there were works opened by the municipalities of Moradabad, Dhananra and Chandausi, employing a total of 31,060 persons, at a cost of Rs. 2,636 the Public Works Department operations on the Moradabad Tigra road, giving omployment from January to July, 1869, to a daily average of 1,636 people, at a cost of Rs. 82,634 and thirdly, there were ordinary works in cantonments. Altogether on every kind of local relief work in daily average of 4,885 persons were relieved over a period varying from five to nino months. These were chiefly of the non-agricultural castes until September, when the continued drought compelled even the onliveting classes to rush to the relief works addition to local relief works the Eastern Ganges Canal project afforded con siderable assistance to the poor of this and the neighbouring district of Bijnor The daily average attending the poorhouses from July 28th to October 3rd, 1869, was 3,081 and the charges for charitable relief

Porthouses.

Rs. 14,317 Tho funds were derived obliefly from local subscriptions and from a small grant made by the Central Relief Committee. The rates of the principal food staple, wheat, may be taken as indicating the progressive pressure of famine. These were in July, 1868, 28 sers 2 chitisks in October 12 sers 18 chittaks; in the middle of February, 1869, 12 sers 8 chittaks; in the second week of April 15 sers 9 chittaks; in the end of Juno 9 sers 8 chittaks; at the end of October 9 sers 1 chittak; at the end of March, 1870, 9 sers 11 chittaks; invernge price from July, 1869, to March, 1870, 11 sers "chittaks

The history of the last famine that afflicted these Provinces is given in the official report published in 1890, and the following marrative of its many incidents in this district is taken from it—

[&]quot;Though very inadequate, especially for a district in which rice is one of the chief crops, the rainfall of 1877 was all round better here than in the other districts of the division. The This was the spring harvest time and the rise is thus accounted for.

average rainfall from June to the end of August for the five years from 1872 to 1876 inclusive, compared with the actual rainfall for the same period in 1877, was (by tahsils) as under:—1

•			Aver	age of five years	1877.
Thákurdwára	•••	,,,	***	38 2	138
Moradabad	•	•••	***	32 3	11 <i>4</i>
Λ mroha	***	••	***	27.5	52
Hasanpur	***	***	5 •44	27.2	26
Sambhal	***	•••	٠.	27.6	4.2
Bıları	***		***	316	115

"Towards the end of August, 1877, one quarter of the area sown for kharlf was considered virtually lost, but the rain of the 26th and 27th not only enabled more land to be sown, but for a time improved prospects so materially that mahajans and zamindars recommenced making advances of both money and grain to their cultivators. Agricultural operations were consequently renewed in full swing. Both cotton and sugarcane were revived by the rain and looked healthy, though the former was showing signs of premature blossom. The rice was, however, hopelessly gone. Notwithstanding the state of the district, grain was still being exported in large quantities to Bombay and Haidarabad, while the small coarser grains were being imported by eart from Bulaudshahr. The Jats were said to have retained grain sufficient for their requirements, not so, the thriftless and improvident Thakurs, who, induced by the high prices, had sold

Chief anxiety about Hasanpur and Sambbal.

all they had and spent the money The chief anxiety at this time was about the condition of Hasanpur and parts of Sambhal Petty relief works were opened at Moradabad on the 30th, and in parga-

Mr Laidman, Assistant Magistrate, and the District Engineer nah Hasanpur a few days later were sent out to arrange for relief there, and for the despatch of able-bedied labourers to Narora, where the Irrigation Department had offered to provide for 3,000 for one month on canal works The Collector went out into the valley of the Ramganga to see how that river could best be utilised for extensive irrigation, but found that the people had themselves done all that was Although men, women and children were daily immediately practicable in damning the stream pouring into Moradabad nominally for work, but really to beg, the kankar contractors, only 10 or 12 miles distant, were complaining that they could get no workmen. The filling up of a large and objectionable tank was started as a relief work by the Moradabad Municipality, and worked At this time the reports from Amroha and Thakurdwara with great success on the kauri system were cheering, and the crops in the south of the district looking well, but the accounts from Hasanpur were distressing. The soil being chiefly bhar, kachcha wells are impracticable, and there was no crop on the high land On visiting several villages the Collector found the people already suffering privation He at once opened out extensions of roads to meet the demand for labour. and in a short time had upwards of 1,000 men employed on the third-class roads, irrespective of those under the Department of Public Works

"The relief works arranged for at the meeting of 7th September were duly carried out until
the rainfall of October, when, as in the other districts, they were
almost deserted for field labour, and on the 19th the Collector having
reported that there was no longer any necessity for relief works,

they were closed with the exception of some extensive municipal works in the vicinity of the city and railway station. These afforded subsistence to large numbers of every age and sex, and materially relieved the poor-house. The daily number of labourers employed was —in September 2,880, in October 1,515, and in November 48

¹ The average for 17 years for each tabsil is given in part I, supra, p 33.

In September when distress increased the taballdars and their subordinates and the police were ordered to send in destitute persons to the poorhouses, which were opened at Moradabad (In a grove outside the city) on the 16th September and at Hazanpur a few days carrier. The polico and revenue officials were directed to supply all paspers despatched to the poorhouse with food for the road and conveyance when necessary ; to report for orders cases of local distress ; and to direct to certain specified works all able-bothed labourers in want of employment. Immedistely after the first rainfall in December blankets were sent to each police-stati n to provide against cold on the way into the sade poorhouse; Rs. 10 to every police station; Rs. 5 to each out-post to meet the cost of feeding and seeding in the starving | Rs. 50 to the District Superintendent of Police to be attilized on tour and the like sum for the same object to the Settlement Officer As the Hazanpar parganah was undoubtedly the most seriously affected part of the district, the thanadar was ordered to search for the starving and soud them in. Those found capable of work were from the poorhouses drafted to the works, while those weakly persons who went to the works in an unfit state were transferred to the poorhouses. Arrange ments were also made for opening poorhouses at Chandausi, Sambhal, and Amroha; committees appointed, sites selected, and rules laid down; but it nover became necessary to put these poorhouses into operation.

"The relief works, closed in October were not re-opened until the first week in February Retief works re-compact in Fab. when the crowds of beggars to be met with everywhere showed THAT 1878 that distress was on the increase. These works were conducted on the same principles as were in force in other parts of the division, and remained open till the ripening of the rabi readered them no longer necessary. On the 14th February the number on played on the Government relief works did not expect 500 while 475 labourers were at work on the municipal relief works, and there were 2,000 in the Moradabed and \$50 persons in the Hammpur poor house. A week later the figures were :-relief works (State) 1,218 ; poor-house, Merad abad, 1,893; poor-house, Havanpur 740 Among the admissions into the Moradabad poor-house the average of deaths at this time was about 4 per cent. The Collector described the condition of the people in the following terms :- Distressed culti ators eko out a scanty antistence with sag and vegetables; labouring classes feel the pluch more and throng to the poorhouse; work or gratultous rolled provided for all who apply At the end of February there were 2,055 persons in the poorhouses and 2 297 on the relief works. The steady fall of prices which occurred at the end of this month exceed some improvement; the ordinary grains being quoted at, wheat 11, " sers, barley 151; gram, 141; and bajra, 171 As the rabl crops were now in magnificent condition every day brought further improvement ; the prices a week later being :-wheat It; sers, burley I I sees, and gram 141 sees. The pressure upon the labouring classes could, however only be relieved by the commencement of the harvest, and until that came the numbers on relief naturally rose, though but slightly -

						Work.	Pror-house.
Week endi	ng 9th	March		***	-	2 743	# 748
	16th	*			***	3 439	2,396
	23rd	=	***	994	***	2,782	3 703
	30th			***	144	2,102	1,220
-	6th .	April A	***			246	201

"In the following week, harvesting having become general and the demand for labor being notice operations and of print rulef operations were brought to a slove. The daily average number of labourers employed on works daring February and March was -February 1,335; March, 1,911 Throughout the conduct of rulef works the

average daily rate earned was per man 1 15 ánas, woman 9 71 pies, children 6 57 pies. On the 11th May the prices ruling were—wheat $16\frac{9}{16}$ sers, barley $21\frac{7}{6}$, gram $16\frac{1}{6}$, bájra $21\frac{9}{16}$. And there was but little change in them afterwards, for on the 15th June wheat was $16\frac{1}{6}$ sers, barley $21\frac{1}{6}$, gram $15\frac{1}{6}$, bájra $21\frac{1}{4}$. But several of the tahsíldars having reported that a want of labor was beginning to be felt, owing to the cessation of field work, orders were given to commence repairs to third class roads as a tentative measure. A work was also opened in the zila school compound, which required protection from the river, the expense being provided from the school funds, but the District Engineer reported that he could not find people to work at subsistence rates. This proved that as yet there was no real distress, and the contemplated opening of relief works and poor-houses was postponed

"Relief works were, however, started in the beginning of July, and the attendance recorded, but are again recommenced week by week, during that month and August was as follows week ending 6th July 2,797 daily, 13th July, 534, 20th July, 1,440, 27th July, 2,351, 3rd August, 3,460, 10th August 4,776, 17th August, 3,648, 24th August, 1,556, 31st August, 2,900 In explanation of the fall in numbers during the second week of July, it may be noted that people left the works after the first fall of rain in the hope of obtaining employment in the fields, but the cessation of the rain and the upward tendency of prices, caused by the dread that there would be a second failure of the monsoon, rendered cultivators nawilling to risk their sowings until the rains should set in more favorably, and laborers were therefore forced to return to the works, the numbers rising gradually till the middle of August, when the introduction of the modified scale of wages and a demand for labor (for the repair of houses and the weeding of the earlier-sown crops) brought about a slight decrease, which, however, notwithstanding the more rigid enforcement of task-work, and the lower wage now allowed, was only temporary, the attendance at the end of the month being nearly double what it was a week before The pressure was confined mainly to the labouring classes, for the cultivating community were now able to obtain advances freely, seeing that the crops were thriving, though indeed more rain would have been beneficial In September, too, the numbers continued high, showing -for week ending 7th September, 3,367, 14th September, 2,827, 21st September, 3,018, 28th September, 2,227, but with the preparation of the ground for the rabi, in October, a demand for labor was created, which lasted up to the time for the reaping of the kharif, and numbers fell away rapidly, giving 977 daily for and works finally closed in October week ending 12th October and only 156 for week ending 26th idem. The works were closed a few days afterwards

Poor-house relief, too, had been resumed on the 3rd July, but the numbers never reached the height which they had done in the previous cold weather months, the attendance being—week ending 13th July, 113, 20th July, 188, 27th July, 282 3rd August, 421; 10th August, 546, 17th August, 694, 24th August, 953, 31st August, 1,244, 7th September, 1,405, 14th September, 1,158, 21st September, 1,136; 28th September, 617, fortnight ending 12th October, 203, 26th October, 177, and on the 23rd November, 117, totally incapable of work of any kind, who were provided for specially"

Regarding the mortality of this last famine the official statement is:

"There was not famine, but only scarcity and resultant dearness, in consequence of which a large section of the community had an insufficient allowance of nutritious food. They

therefore succombed to disease, generated chiefly by the abnormal cold in the months of December to March. This was succeeded by an epidemic of small-pox which may have been more fatal because the people were weak from previous privation but the mortality, as a matter of fact, was greatest in districts where there was least distress. As this epidemic died out the rate of mortality improved but it was again enhanced by the outbreak of very severe fover at the usual season, which prostrated rich and poor alike. Making allowance for the latter causes, however, there remains a sad tale of deplorable suffering and mortality. The deaths during the 12 months from November, 1877 to Ootober, 1878 were, according to the official returns, Rs 49,278, and the special enquiry made by Major Pitcher showed that the réturns were reliable. These figures give the year's death rate as 48.9

There is no stone of any practical use found in the district.1 The bricks used by natives called labours measure 5" × 8" × 1' and are Buliding-materials. procurable in any of the native towns at 12 anas per 1.000 There is a larger description of brick made in Moradabad colled the chauka, costing Rs. 8 per 1000 These are what is termed slop-monided and are burnt in kilns (paydies) with cowding Besides the above there are the ordinary 9" x 41" x 8" bricks made by the Department of Public Works, its contractors, and the jail, at a cost of Rs. 10 per 1,000 These are table-moulded and burnt in flame (or French) kilus with wood fuel. There are two kinds of limn used in this district-one made from Lime. kanker and known as hydraulio lime, the other from limestone imported from Kumann The chief kinds of timber used in building are shisham at Rs. 1-4-0 per cubic feet, mange at 12 TF004L finas: faman at 12 Anas: mahna at 8 Anas: and sal (imported from the Kumaun forests) at Ra. 2 Kankar is obtainable averywhere to the south of the Ramganga, except in the Kankar Moradabad tabail. The principal quarries are nt Mun die, Gwal Khera, and Sundarpur in the Bilari tahail Atrasi, Patar, and Parota in Hasanpur; and Tulwar, Maghupura, Dhakla, and Mansurpur in Sambhal. As a rule kankar is dug at a depth varying from 21 to 4 feet below the surface of the ground and its principal use is for metalling roads. The cost of digging, stacking, breaking and cleaning 100 cubio feet is lis. 2, and the carriage 7 anas per mile.3

Occasional boulders are, however met with in the sub-soil. Rote by Mr. W. E. Meares, Executive Carineer.

PART III.

INHABITANTS, INSTITUTIONS, AND HISTORY OF THE DISTRICT.

The earliest recorded estimate of the population of the Moradabad district, since it came under British rule, is that for the year Population. 1808, when the estimated total was 1,421,000 1, but, as we have already seen,2 the district at that time included, besides its present area, the district of Bijnor, a large portion of Budaun and parts of Rámpur, Bareilly and the Taiai There are no separate estimates of the populations of these latter tracts at that time, and if there were they would not be of much value. Indeed the earliest enumeration, which can be dignified by the name of a census, was that utilized in the enquiry into Census of 1847. "the depressed state of the general education of the people," which resulted in the publication of a Memoir on the statistics of indigenous education within the North-Western Provinces of the Bengal Presidency 3 In this memoir a table showing "the centennial proportion of males under instruction to those of a school-going age and the average proportion of area to each school in the districts of the North-Western Provinces" gives the totals of the population, distinguishing between Hindus and Muhammadans. From this statement the total population of the Moradabad district in 1847 was 997,362. If the population of parganah Káshipur be deducted, the total in that year for the district, as it now stands—excluding minor variations arising from the interchange of villages—becomes 941,766 and the density 375 to the square But for purposes of comparison these figures are of course of small value, being based on mere general estimates without the employment of any special enumerating agency

The next general census took place in 1853 and showed for the district,

as it now stands, a total population of 1,052,248 total population of 1,052,248 total population had therefore in six years apparently increased by 110,482. The number of villages and townships (including Káshipur) was 2,732, of which 126 had between 1,000 and 5,000, 9 between 5,000 and 10,000, 4 between 10,000 and 50,000, and one more than 50,000. The population of Moradabad amounted to 57,414, of Bachhráon to 5,798, of Hasanpur to 7,569, of Dhanaura to 5,337, of Sirsi to 5,549, of Sambhal to 15,579, of Chandausi to 23,274, of Amroha to

Hamilton's Gazetteer, 2nd edition (1828) II, 246

2 Supra, p 5

3 A separate memoir on the statistics of the North-Western Provinces was also published in 1848 (compiled by A Shakespear, Esq, B c s)

4 t e excluding Káshipur. If that parganah be included the total becomes 1,137,247 and the density 421 5

5 I his does not include the population of the military cantonment at Moradabad, which was found to be 1,214 persons

85,284, of Bhojpur to 5,075, of Mannagar (or Kant) to 7,840, and of Sarau Tarin to 10 554

The third census, that of 1865, gave a total of 1,021,887,1 or a decrease of 30,861. The distribution of the population is shown as follows.

_		Adsicultural.						Non- encourant				
Olean,	Males.		Fra	Francis.		Males.		Francisco.		Total.	Orand Total	
'	Adulta.	Ворч	#delt=	Olate.		Adulta.	Boys	#qojt#	Girta.			
Hindus Nuhamandata and others.	157,830 64,140			73,687 29 6x6	43,810	19,054 81,390	69,974 33,100		35, 8, 6 23, 35 i	220,845 172,795	803,359 8,90,039	
Total	212,420	119,570	384,966	162,653	eu, tes	123,411	78 411	153,017	63,8 #	602,614	1,631,467	

Besides the population here shown there were 385 Europeans and 24 Eura sams. The population to the square rule was returned as 445 molasive of Kashipur parganah, but excluding that tract it becomes 449° Of the 3,027 villages and townships, 2,54° are recorded as inhabited and of these 2,422 had less than 1,000 and 114 between 1,000 and 5,000 inhabitants. Of the 18 towns with over 5,000 inhabitants two were in Kashipur the others were Moradahad (57,304), Sambhal (41,450), Amroha (82,314), Chandausi (22,122), Máonagar (7,508), Hasaupur (7,428), Bachhráou (6,018), Dhausura (5,382), Mughalpur (5,171), Sirel (5,147), and Narauli (5,085).

The more scientifically-conducted census of 1872 permits the statistics to be given in greater detail and the following table shows the population for each parganah separately:—

		Har	D. C. S.		ylon	FOT	Total					
Parganah.	Up to 1	ő pez e	Adı	lts	Optol	5 34673	Añ	ite-	1			
	Male.	Fe- male.	Male	Fe-	Mele	Fo- mele	Male	Fe male,	Male	Fe- male,		
Moradabad Hilári Fambhol Hasasput Thákurdwára, Amroha	83,167 28 121 16 149 23,636	29 476 26,605 22,985 13 480 19,003	47,261 97 880 23 374 38,267	45 067 43,#38 32,475 20,248 29 104	11,831 18,246 8 9 24 8,914 14 701	13,029	17 950 82,5 % 11 447 12,311 20 687	15,016 22,756 11,008 1,765 21,529	115 169 130 149 85 75 80 47 92 483	72,805 92 164 63 928		
Total 🕳	161,424	18 ,265	238,726	509 164	79 465	60,581	111 988	109 349	696 77G	595,2.5		

Again excluding Kashipur and the population of the military which mounted to 1 481. The area is the former case is 2 480 74 and in the latter 3,270 a7 square miles Including 179 in Kashipur

The total (1,122,131) showed an increase of 100,335 over the total by the 1865 census. The area was returned at 2,272 square miles. The townships and villages numbered 2,452, of which 2,319 had less than 1,000, 121 between 1,000 and 5,000, and 12 more than 5,000 inhabitants. The population of Moradabad amounted to 62,117, of Sambhill to 46,971, of Amroha to 31,904, of Chandrusi to 23,686, of Husanpur to 8,417, of Mannagar or Kánt to 7,030, of Bachhráon to 6,768, of Sirsi to 5,607, of Mughalpur to 5,331, of Dhanaura to 5,287, of Narauli to 5,197, and of Bhojpur to 5,121. Although superseded by the more recent figures of the 1881 census, the following statistics obtained in 1872 may yet be included here with advantage for purposes of comparison:—

	Bind	luc	Muliam	เมลดิกทศ		tions and lices.	Total		
Number of enclosures. Number of houses built with skilled labour Number of houses built with unskilled labour,		9,108 6,534 9,211	P.	,792 ,561 ,911		31 50 94	121,931 17,128 235,216		
Total number of houses,	170,745		81	,172		127	252,344		
Population (1672)	Male	Temale	Male	Female	Male	Female	Male	Female	
Landowners Agriculturists Non-agriculturists .	6,498 246,390 152,372	5,702 211,169 129,958	4,260 82,*61 104,170	4 638 77,027 97,093	2 2 231	4 3 161	10,750 329,153 256,873	9,914 288,199 227,212	
Total	405,350	346,429	191,191	178,758	235	168	596,776	525,355	
Able to (12 years of	2,981	•••	1,333	•••	31		4,328	,	
read and lie to 20 years write, Above 20 ,,	2,215 9,522	• • •	1,172 3,832	1	7 78	•••	3,394 13,432		
Total of all ages	14,721		G,337	1	96	•••	21,154	1	

It remains to notice the statistics collected at the census of 1881. As the experience gained in former attempts was available to guide the operations of this one, we shall find, as we might naturally expect, greater accuracy in details and an abandonment of some heads of information, which it was found impossible on former occasions to obtain with sufficient correctness to warrant the expense of collecting them.

Especially was this the case with the subdivisions of castes and with the Census (1872) report. in Form II. of the recent (1881) census the total is given as 1,122,357.

8m

confusing two-fold subdivision of districts for fiscal purposes into tabsils and pargunals, which, although still lingering in some districts, has been abolished in Moradahad.

Totals by religion.

The totals by religion are shown for each tabsiles follows —

	Hv	ıdıı.	Musa	Musclades.		Jaize		Ckris- tians		era.	Grand	He H	日日	
Tahsil.	Total,	Females.	Total.	Females.	Total.	Femalos.	Total	Formales.	Total.	Females.	Total	Females.	Area in square n	Denuity per square
Sambhal Amruba	71,200 169 142	33,073 79 763 76,031 47,661	38 806 60,033 80,878 69,599	17,944 28,444 89 418 35 071	125 180 104	28 90 51	180 273 269	133 178	; ;	1	109,598 929 724 248 107 174,014	116,207 51 037 108,330 117 866 83 169 74 453	936-2 465 9 264-8	49 69 53
Total _	767,841	856,500	381,718	166,9 2	571	287	1,877	611	168	32	1 165,179	544,882	2201 6	,,

The area in 1881 was returned at 2,281 8 square nules; and the popula General statement of area and population. and 2,433 villages The houses in the former uum bered 81,608 and in the latter 112,028 The nules (610,291) exceeded the females (544,882) by 65,409, or 12 per cent. The density per square mile was 506 2; the proportion of towns and villeges per square mile 1-07, and of houses 62-0 In the towns 68 persons and in the villages 83 persons on an average were found in each house. In the 9 years between 1872 and 1881 the total population had increased by 38,042, the increase in the males being 13,516, and in the females 19,527 The total increase represents a rate of 2-9 per cent.

Following the order of the census statements we find the persons returned as Christians belonged to the following races:— British born subjects, 262 (27 females) other Europeans 111 (46 females) Enrasians 109 (64 females), Armonian I; and natives 1,894 (674 females) The sects of Christians represented in Moradabad were

1,834 (6/4 icmates) The sects of Corresums represented in monaction were the Churches of England and Rome, Presbyterians, Baptists, American 1 flow hard a death the respect rabell into it sying may be seen by the frequent use of the learn perpend to indicate the modern tability. Form III.A.

Episcopalian Methodists, Methodists (including Wesleyans) and Armenians. In every 10,000 of the total population there were 5.283 the sexes of the main relimbles and 1,717 females. Of Hindus there were in every 10,000 of the population 6,617; of Musalmans 3,330; of Christians 16; and of Jams 5. Among Hindus there were, in every 10,000, 5,353 imales; among Muhammadans 5,110; among Christians 5,079; and among Jains 5,321.

Of single persons there were 278,128 males and 173,772 females; of married 291,135 males and 290,895 females; and of wi
Cort control of the podowed 41,028 males and 80,215 females. The total
minor population (under 15 years of age) was 410,914

(203,665 females), or 58 I per cent; and the following table will show at a glanco
Conjugat condition and
ages of the population
Hindus and Muhammadans, and of the total population,
with the number of single, married and widowell, at each of the ages given:—

	Histi					Менанияналя.						TOTAL POLICIATION						
	٤,	pic	Marnel		W litoreed		Single		Marries.		Widowed.		Single		Marriet		N idoired	
	Vale	l'emile	Male,	l cməle	Vale,	Femalo	Malo.	Femile	Male	Femile	Male	Female	Male.	Female	Male	Femalo.	Malo	Female,
Up to 8 years	100,212	23,015	1,001	1,255	E)	43	52,1127	50,150	45/3	1,20,	17	26	159,470	111,416	1,522	4,680	67	69
10 to 11 ,,	78,834	13,527	10,311	21,216	417	234	21,619	10,600	3,624	8,070	167	119	61,557	21,710	13,055	20,332	015	452
15 to 19 ,,	15,861	971	17,325	25,249	1 57	673	8,271	1,605	0,672	11,643	339	272	23,497	2,605	23,038	30,960	1,295	810
20 to 21 ,,	8,274	211	24,006	30,917	1,955	1,316	<i>\$</i> ,111	ายช	10,531	15,643	728	470	12,515	631	34,070	40,844	2,690	1,792
25 to 29 ,,	&,€07	160	20,667	31,309	3,140	2,115	2,116	200	14,612	10,098	1,115	923	8,316	300	45,017	47,529	4,202	3,044
30 to 39 ,,	5,197	208	40,810	30,056	5,021	5,699	1,631	200	23,555	20,765	2,050	2,957	0,678	471	70,530	61,055	7,094	8,698
40 to 49 ,, ~	2,514	120	32,735	25,350	5 320	10,197	593	129	10,209	12,030	2,059	5,112	3,115	250	49,142	38,371	7,401	15,33
50 fo 59 ,,	1,811	76	20,579	12,351	5,291	11,126	271	89	10,674	6,705	2,195	7,133	1,580	161	31,517	19,155	7,503	21,589
00 and upwards,	918	78	12,815	4,638	6,902	18,430	216	71	7,361	2,410	3,172	ი,820	1,131	149	20,211	6,963	10,095	28,205
Total	185,343	109,652	196,607	191,215	29,091	52,033	01,076	03,078	93,926	90,127	11,840	27,107	278,128	173,772	291,135	290,895	41,028	80,21

Of Christians, who are included in the last six columns of the statement just given, 5 persons (4 females) are returned as married under the age of 10 years and 37 (20 females) between 10 and 14, there was one widower

Of course the reader will remember that ratios only are given, the totals of Christians and Jains fall far short of these numbers. It would be imore correct perhaps to show the proportions thus. Christian males 5679, Jain males 5324.

60 MORADABAD

under 14 years. Among the Jains 2 only (1 females) under 10 are returned as married.

Of the total population 113 403 (65,194 females), or 98 per cent., are returned as born outside the limits of the district. Of the total population 1,125,741 (548,860 females), or 974 per cent. are returned as mable to read and write and not under instruction.

Distribution according to education.

Distribution according to ease able to read and write, and 8,550 (512 females), or 74 per cent., us under instruction. Of those able to

read and write 14,310 (219 females) and of those under justruotion 4,682 (221 females) were Huday. The Muhammadans who came ander these entegories were 5,933 (169 females) and 3,558 (166 females) respectively. Of the Christians 424 (121 females) are returned as literate and 270 (123 females) under instruction and of the Jams 68 (1 female) were literate and 23 (2 females) under instruction.

The next four statements' give us the infirmities of the people. The census returns exhibit the number of persons of unsound mind Infirmities: persons of unsound mind. by age and sox for all religious represented in the districk the religious of course being those to which by common repute these unfortunates are supposed to belong or the religious of their parents. The total here of all religious was 170 (44 females) or 014 per cont." The largest number of males (47) were of the agos 20 to 80 years and of femples (11) from 20 to 80 and 40 to 50 But 18 males and 6 females in this category are returned as of ages "over 60 With regard to these last some suspicion of inaccuracy muy be justified, as oven in the case of ordinary Individuals there is a marked tendency among untives to exaggerate the ages of these above 50, and it is notorious that the statements of uneducated villagors in regard to such matters are quite untrustworthy Distributing them by religious Hindus thus afflicted wore 73 (22 females) of all ages from 10 newards, the highest numbers being 18 (8 fomales between 20 and 30, and 17 (6 fomales) between 40 and 50 years. Of Muhammadans there were 97 (22 females, the highest number for females being 85 from 20 to 80, and for females 8 between 40 and 50 years No members of other religions are returned as of ausound mind. The total number of blind persons is returned as 4,055 Number of the blind.

Homber of the blind. (2,162 fomales), or 35 per ceut. Of these more thun cne-third, or 1,412 (888 females), were "force 60"; 703 (383 females) between

Forms XIV XV XVI., and XVII.

1 i. e., 33 in every 10,000 of the total population.

males) between 40 and 50; 440 (204 females) between ales) between 20 and 30, 170 (59 females) between males) between 10 and 15; 216 (73 females) between males) under 5 years. Of the total number 2,458 (1,177 1,597 (878 females) Muhammadans, and 5 (3 females) utes there were 1,264 (518 females), or '109 per cent.; the largest number, 302 (166 females), again appearing among persons "over 60," but otherwise pretty evenly Of these 822 (337 females) were Hindus and 442 ans.

which note was taken at the recent census was that of leprosy. It is startling to find that there were 1,348 (449 females) afflicted with this disease, Moradabad standing ll the districts in these provinces ² The percentage 116, so that 11 in every ten thousand of the populable lepers. The terrible nature of the malady notwithes) are returned as over 60 years of age, and out of the ver 20 years. Of the total number 917 (305 females) males) Muhammadans, and one male (over 20 years of istian. There is at present (1882) no special leper at Dehra and Almora, so that those afflicted with the A few cases are treated at the dispensary and the leared for at the local hospital for the poor.⁸

dus into the four conventional classes, we find from the census returns that there were Brahmans 47,616 21,682 females); Rájputs 33,503 (14,498 females); emales), and of "other castes" 656,267 (306,490

d, the census returns of 1881 throw no light upon rahman subdivisions. Indeed, in the report of the '72 census the hope was expressed that no atoccasion be made to obtain information as to the pulation, on the ground that the whole question difficulty of securing correct returns too great. Iteld the census returns of 1872, does not speak and for the fourth place with 856 each. Note by Dr. Ander-

69 HORADABAD

confidently of their accuracy in the matter of caste subdivisions, but we have nothing better to turn to for an enumeration of the persons belonging to each By the 1872 census these subdivisions and the numbers in them are thus given —

T1 4:						Total
Bhat	***	***	***	***		83
Chaube	***	***	***			- 11
Dúbe	***		***	***	***	1
Gaur			***	••		27,845
*Gujráti		***	***		***	28
Gantam		***			***	103
Jotashi		***	***		***	310
*Kanaujiá			***		***	1,242
Maháráshtra	***	•••	***	••	***	. 6
Marwarl	***	•••			***	129
Upfdhyn		••		***	***	
Pánde	•••	-	••	•••		6
Rastogi						14
*84rsüs		***		***	-	4,368
Sanádh	_	••	***			8,720
Barwaria	••	***	***	•••		7
*Tallanga	***	•••				83
Unapecified	***				204	10,460
				Total		47 744

That more than a fourth of the whole should come under the head " un specified '-and this in the case of the highest caste-illustrates the difficulty of obtaining a correct statement of the numbers in each subdivision. The absence of specification is attributable as much to the ignorance and judifference of the enumerators as to any dislike on the part of Brahmans to disclose the clan or gotra to which they belong, although doubtless to many of them the answer that they are Brahmans would appear a sufficient compliance with the State-enoughy concerning them The list given in the census report has no claim to scientific necuracy. It is not a list of tribes, clans or gotras, but a jumble of some of each, with a few honorary titles added. The names marked with an astorisk, cia., Gaur, Gnirati, Kananjia, Maharashtra, Sarsut and Tailanga, are names of six of the great tribal divisions The Gaur. Kanaula. and Sarsut are three of the five northern or Gaur tribes; the Gujrati, Muha ráshtra, and Tailanga ero members of the Drávira or sonthera tribes. Rastogis are mentioned in Mr Sherring s work as a trading clan of Valsyas, but no subdivision of Bruhmans under this name is given Sanadh and Sarwaria (also called Sarjupan) are two of the five great sub-classes of the Kananjia tribe. Gantam is the name of a gotra running through many tribes Jotashi or Joshi is an inferior order employed in casting nativities. Dube, Chaube, Pándo, Upádhyá (correctly Upádhyáyu) are titles applied to Brahmans of many different tribes. The Chanhes of Mattra alone appear to constitute a separate order

Pinde (said by Fallon to be a corruption of pandit) is said to be specially applied to the Bháraduáj gotra of Kanaujiú Brahmans. Upúdhyú, originally a teacher of the Vedas', has come to mean a teacher' generally. Bhúts are not usually recognized as Brahmans, but Bhat is a title of learned Brahmans and the name of one of the three divisions of Kashmíri Brahmans. Múrwúri is a common title of traders from Central India, and many of those bearing it are Jains.

The following brief account of Brahman subdivisions embodies, it is believed, the most recent conclusions arrived at concerning them. All the numerous tribes and sub-divisions-of which a list with their localities is given by Mr Sherring in the second volume of his work2-profess to have had the same origin, and there are grounds for believing this profession to be sustainable : and that, in spite of differences in language, customs and physique, the great Brahmanical community is one and the same people, who have preserved the purity of their blood with, on the whole, wonderful success. But having conceded this, we must also admit that there are as great differences between the various tribes of Brahmans as are found between them and Rájputs, Brahmans and Vaisyas or, indeed, as between Brahmans and Sudras. Greater diversity in colour and staturo need not be sought by the opponents of their claim to a common origin than are seen between the Brahmans of Bengal and those of the North-Western Provinces. The former are comparatively short in stature and are often of a deep brown hue approaching to dark; while the latter, in common with the Brahmans of Gujarát and the Konkan, are fair, tall and of singularly expressive countenances. Whatever may be thought of their claim to a common origin in the far distant past, the sub-castes must now be regarded as so many separate tribes. They are socially distinct and form no alliances with one another, nor for many ages apparently has there been any real union between the great branches of the Brahmanical race. When the severance began it is impossible to say. quote Mr. Sherring's words, "The tree itself has dried up and no longer exists. The branches have taken root, and now flourish as separate trees."

Nor was caste an institution handed over to the Brahman, for (writes Mr. Sherring):—⁸

[&]quot;He could not now exist, and he could not have existed at all, bearing the distinctive characteristics which he has exhibited during the time in which he has displayed them, without having easte as the objective form in which his ideas were realized. Caste was not handed down

¹ Summarized from Mr. Sherring's Hindu Castes and Tribes, Vol II., Introduction.
² Ibid., II., pp. xxii. to xlvi.
³ Ibid., III., 231.

to him. It was begotten by him was a necessity of the situation to which he had brought himsolf, was conceived in his own fruitful brain, was as much a result of his imaginings as Brahmaniam itself. He did not become a complete Brahman all at once, nor did he give, so to speak, bodily shape to caste by an instantaneous volition. There were doubtless historical gradations in the development of Brahmanism and castes but nevertheless the growth of both was comparatively rapid and they attained maturity together"

Caste once established, the process of subdivision soon extended it far beyond the original prescriptive four fold division and the traditional thirty-six castes, of which Hindus to the present day speak, became increased to hundreds and thousands. Simultaneously with this increase a feeling of mutual hostility, described by Mr. Sherring as "an anomalous principle of national existence," grew np among the separate tribes, so that—

The Brahman on the banks of the Saraswati in the Panjib was a being different from the Brahman on the banks of the Ganges and the Sarja, and both withdraw their sympathics from the Brahman of the Norbadas (Narmada) valley of the Godavery and of the country beyond. The Brahmans becoming spills up into nomerous branches,—according to their geographical position, that observance or non-observance of certain coreumons and customs, their eating or not eating of certain foods, and many other circumstances which, though perhaps to themselves trivial, yet were abundantly sufficient to sorve as reasons for separation when the desire to part had one been formed—acon began to exhibit distinct ethoelogical characteristics. After a few hundred years of dislutegration, marked differences showed themselves in the Brahmanical community; and what shall be eated of 2,000 years and upwards of such dislutegration?

If we examine the names of the various clans we shall find them mostly derived from places or individuals; only a very small proportion are generic and allide to the broad relations of Brahmanism. Thus revealing, says Mr. Sherring, "the wide-spread desire of Brahmanism to make little account of, if not to drop entirely, their historical and common associations, and to elevate into great importance the petty interests of small communities. In their supreme attach ment to Hinduism and their intense belief in the superiority of their order, but in no other sense, are they one family—a family, however, as shown above, divided into hundreds of factions through internal dissension and corruption.' For the legendary histories of the clane included in the census report of 1872, as existing in this district, the reader must be referred to previous and subsequent district notices.' It or repeat them here would be mere waste of time, and there are it is behered, no tribes or clans in this district not mentioned elsewhere in this series.

An alphabetical list of the Rásput clans found represented in the district is given below. It was kindly supplied by the Doputy Supprintendent of Census Operations in anticipation

1.1644, III., 233.

2.5cs Fart III., under "Castes, in each volume of this series.

of the published report. The population of those whose numbers exceeded 100 has been inserted:—

Cian.		Total population.	Females.	Clan.	l Total population	Females.	
Amrat	••			Jenár			
Buchhal	• •	1		Thonk .	1 1		
Bighel	•••]		hachhwaha	1		
Burana		1 1		Mathain] 1		
Bus	***	665	293	Karanwar	1		
Baksarin	••	1		Kataline	8,863	4 162	
Bir_uint	••	6,372	2,551	le leasurel	1 3,000	1.02	
Lubmár		0,0,-	2,501	It had a se	1		
Barodha	•	1		35 1	1		
Brinia 1		201	103	No.11 months	1		
Bhadauria	•••	130	60	Pamar, Panwar, or	2,553	1,068	
Bhagnat	•	100	30	Pomar	2,000	1,000	
Bhal	***	L.		Para San	!		
Buder	••	1		Dundor	}		
Chandel	•••			Paulifilians	}		
Chauhán	••	4,650	1,993	m ·	1		
Chokoha	•••	31020	1,993	Danmlun	}		
Dikhit	•	171	74	Rangbar	444	340	
Dhakri .	***	j 1/1	12	Rithor	774		
Dorz .	•••	000		Salagar	173	68	
	***	Ge2	291	Sakarnar	243	109	
Gagharwar	••	1		Sheobansi			
Gaharwár	•••	1 1		Siknr	1		
Guhlöt	• • •	179	71	Sombansi	i		
Gnugabansi	•			Sulanklu			
Gnur		2,169	919	Sürnjbansı			
Gmiam	***	1,203	507	Tomar			
Gust ir		1		Yadubansı			
Gonhr	••	1		Unspecified	9,223	1,327	
Gurátar.	••	1 (
Gunthand	•	1		Total of clans with	32,672	14,108	
Jádon	•••	171	76	more than 100 mem-	1		
Janghara ³	••	137	49	ber3			
Janwar .		1		Ditto less ditto	831	390	
Jaiswar		1			·		
Jaituar!		113	47	Grand total .	33,503	14 498	

The most numerous are the Katchrias (8,863), Bargújars (6,372), Chauháns (4,650), Pamárs (2,553), Gairs (2,169) and Gautams (1,203). Of these the Katchrias have been sufficiently described in the Bareilly⁵ and Sháhjahánpur notices; the Chauháns in those of Mainpuri,⁶ Bijnoi⁷ and Sháhjahánpur: the Pamárs in those of Farukhabad⁸ and Sháhjahánpur: the Gaurs in those of Bareilly, Cawnpore⁹ and Sháhjahánpur, and the Gautams in those of Bareilly and Sháhjahánpur.

Of the Baigujars mention has been made in several notices, they form the most numerous clan in Bulandshahr, where the principal families (writes Mr Growse) have been Muhammadans for some centuries past, and are also

¹ Or Bhatais ² Or Daur ³ Or Janghari ⁴ Or Jatwar. ⁵ Gaz, V, 577. ⁶ Gaz, IV, 544 Besides the Rajput clan there are Chauhans who are not recognized as Rajputs and apparently do not claim to belong to that great division More will be said about these people later on ⁷ Gaz, V, 286. ⁸ Gaz, VII, 68. ⁹ Gaz, VI., 57.

found in large numbers in Aligarh In Budaun they are less numerous, but still are important landholders, at least in Rajpurs parganah. Their rank in this district entitles them to a brief notice.

The Bargujars are one of the thirty six royal races of Rúpputs, descended, Bargújars.

like their opponents, the Kachhwáhas, from Ráma, but through Lava, the elder' son They are found in large numbers in Samhhal, Bilári and Amroha tahsíis Colonel Tod says that it was in Anúpshahr' that the Bargújars, on their expulsion by the Kachhwá has from Rajor, found refuge Their own assertion is to the same effoot and they attribute their establishment in these parts to the favor of the Dor Rújputs, into which family their rúja is said to have married By the assistance of the Dors they expelled the Mewátis and Bhíhars. Jutu, one of the sons of the rúja (Partáh Sinh), who originally led the emigrants, settled in Katehr or Rohilkhand. Their olaim to antiquity is amported by a passago in the Ráthor genealogies, and no donkt they long proceded the final Muhammadan conquest of Kannii Sir Henry Elliet writes—

"While the Katcht Bergejars said the Andpebahr family have preserved their ancient faith, nearly all the Dobb trives, which preceded the expulsion of their chief from Rejor have turned Michammadans; and the early opponents of the British in Kammaha and Pandriwal were Bargejars of that persuasion. They will, however appear proud of their Rejord lineage, for they assume the appellation of Thikur. Thus we hear the strange combinations of Thikur. Ather All Khán and Thikur Martin Alt Etkin

"At their marriages they point on their doors and wurship the image of a Kabári or female bearer under whose instructions they executed a strategem by which they exterminated the Mewátis, wh had been engaged in a drankon revel during the Holt. Some of the Musalmin families have of late discontinued this custom

The rija of Majhola in the sonth-east of Sambhal belongs to this clan To an ancester of his, rija Dip Chand, the old parganah of Majhola was given under a farmán of the emperor Akhar In the year 966 A II. (1558 A D) The present rija traces his descent direct from rija Partáh Singh through his eldest son, Basant Pal The genealogy includes 37 names, of whom the rija Dip Chand just mentioned is the twentieth in descent from Partáh Sinh The following is the legendary instery of the clan as given by a local con tributor 4 After mentioning their claim to be descended from rija Lava, a son of the rija Rámchandra or Ráma of Ajudhya, which would make them belong to the Surajbansi stock, the local account preceeds thus—

"The cidest son of Riemchandra had m re than one wife and as the clan are descended from the accord wife (gurjieri or guperi), they are called Bargújars. Ridje Partáb Siob a ble Henry Elli tanys "accord, but Mr Beanes mays "clier" and quotes as his authority Tod Bajasthan, I., 46 117; II set "In the Beland hard dutrict. Appr. Gloss, L, 25 Gauga Parthál, Depuiy Collector "i.e., Young (cidesi) Rinh.

Bargújar, was a relative of Prithivi Ráj and resident of Rajor in Rájputána. He is said to have been deputed by that chief to repel an invasion of the Chandels under Alha and Udal, the Bánáphar generals of Rája Parmál of Mahoba He arrived at Pahásu in the Bulandshahr district. where he found the Mewatis in power, and was there asked by a Thakur woman to protect her He ordered a general massacre of the Mewatis and rid the country of them the meantime news of the victory reached Chait Sinh, son of Balwaut Sinh of Kol, who was so pleased with the conduct of Partáb Sinh that he gave him his daughter Parmán Dái in mar-On his return from Mahoba, Partáb Sinh settled down at Chandera in the Bulandshahr district and took possession of 1,956 villages on both sides of the Ganges Partáb Sinh had three sons by his Dor wife-Basant Pal, Badhan Deo and Hathi Sah, and two sons by a second wife, Sarúp Kunwar, viz, Rámújí and Játúji On the death of Partáb Sinh, Háthi Sáh settled in Naraolí and occupied 175 villages, Badhan Deo obtained 210 villages in Jadwar of Sambhal und Basant Pal became rája of Majhola The successors of Basant Pál were Udai Pál, Ugrasain, Askaran, Bháu Sinh, Dásákaran, Kanhai Sain, Kanhai Sain II, Kírat Sinh, Sansár Chand. Laram Deo, Sahib Khan or Sahib Jan, Pahar Sinh, Achal Sinh, Angad Sain, Bharat Chand, Narendra Chand or Narbad Chand, Chandra Sain, Dip Chand, Bikram Sinh, Narayan Mal, Rám Chand, Dál Sinh, Balkaran, Jagannáth, Mahá Sinh, Bhagwant Sinh, Gulál Sinh, Lachhman Sinh, Madan Sinh, Debi Sinh, Girdhiri Sinh, Narpat Sinh, Bikiam Sinh, Hira Sinh and the present raja, Shioraj Sinh.

"In the reign of Akbar raja Dip Chand received a farman from the emperor granting him the paiganah of Majhola, the document is dated 966 Hyri or 1558 A D, and is still in the possession of the family A farman of Anrangzeb anthorises Bhagwant Sinh in 1090 H. (1679 A D,) to construct a fort on his estate and confirms him as the rightful successor to Mahá Sinh A farman from Asaf-ud daula to Bhagwant Sinh, dated in the first year of his reign, is said to exist, conferring on him a jágár which would indicate a rule at least to 1775, and consequently lasting for 96 years Girdhári Sinh was alive in 1784 A D, as appears from a farman addressed to him bearing that date 1

"To this family belong Chaudhri Ugra Sain, who holds twelve villages in Sambhal and sixteen villages in Bilári The Naráoli Bargújars are descendants of the Háthi Sáh above mentioned"

Other Rajput class. A few are undoubtedly principal subdivisions, such as the Sulankhi, called also the Chalukhya, which is one of the Fire-races (agnikula) the Bachhal, which we found to be a very important tribe in Shahjahanpui: and the Chandelas, who, however, occupy a secondary position among Rajputs, as is evidenced by their not intermairying with the superior class. Ou the other hand the Baghel and Bhal are usually accounted sub-classes of the Sulankhi tribe. The Naikumbh is sometimes reckoned amongst the 36 royal races, but there is reason to believe that it is really a branch of the Chauhan. But we have neither the materials nor the space for an exhaustive examination of these class. The task, it undertaken at all, should be attempted for the whole of the provinces in a separate publication.

I The writer does not comment upon the somewhat remarkable fact that four successors of Bhagwant Sinh are crowded into the nine years between 1775 and 1784, remarkable even on the supposition that those were the final and initial years of Bhagwant Sinh's and Girdhari Sinh's rule

2 Sherring, I, 169

The subdivisions of Banias found in 1872 Were Agarwálas (11,270),

Banias.

Bárahsaini (3,783), Bishnois (3,557), Baranwárs
(2,784), Ghofas (1,948), Gatahs (1,849), Dasas (1,880),

Vaishnavas (1,386), Chausainis (1,928), Kwartanis, Dhúsars, Gindannas,

Khandelwáls, Kándús Máinra Mahesris, Rastogís, Rántigís, Rahtís and Sardogis
—the eleven last with less than 1,000 members.

The Agarwales generally derive their descent from Agar Nath (or den), who Agarwales.

founded the family at Agroba, on the confines of Hn rians. He is said to have had 17 sons, from whom the seventeen claim (gotra) of Agarwales are descended. The Barabannis or (as Mr. Sherring calls them) Berhsems also derive their origin from Agroba.

The Bishnois or Vishonis and Vaishnavas are shown in the census returns as two clans, but only the former is mentioned in Sher-Bishnois and Vishnavas. ring s work as 'n elan of Vaisyns. In Wilson s Giossary both names are given, apparently as those of soparate subdivisions. Sir H Elhot describes a Bishnavi tribe which, he says, is anot to be con founded with the ordinary 'Vishnavas Sherring's description clearly applies only to the former, of whom he writes "They take the name from their special addiction to the worship of Vishing, although they also worship other divinities and conform to some of the religious observances of Musalmans." A different derivation of the name from Bishnu, n Taga Brahman and pupil of a free-thinking Musalman ascetic-is given by Sir H Elliot on the anthority of the Tambihul jahilin Mr D M Smenton describes the Bishnels as "n class of dissenters from Hindresm akin to the Sardorfs. They live aloof nitogether from orthodox Hindus, will not eat flesh of any kind and only partake of food cooked by their own tribesmen Certain sections of this body hury their dead and contract marriage like Mahammadans. They are a rather salfish hat independent body, fast money makers, bad spenders nod hard dealers. They and the Banjaras do a large carrying trade in the old fashion with ponies and hullocks. "They have been sottled in Moradabad for more than 300 years2 and are found as landholders chiefly in Mughalpur, Amroha, Kant and Tháknrdwara. One of this tribe, Chandhri Mahiab was formerly Govornor (Adxim) of Moradabad 4 Mr Ibbetson writes "The Bishoois of Harrison are mostly Jats or Barhais they have nothing whatever to do with Vaishnavas.

An already stated the con m of 18 1 ignored them. The figures of the 12 2 a s bot reliable but they are the only ones forthcoming for a widdle loss of this casts. For a foller account of is the sense of the casts. For a foller account of is the sense of the towns of that and Natemparare among their headparters.

An already stated the control of is a sense of the value of the sense of the value of the valu

and are said to derive then name from the 29 (bis nau) precepts of their sect. The Bishnofs are very scrupnlous about flesh, but have few Musalman customs." The Vaishnavas, Bishnofs and Saráogis are not properly described as subdivisions of Banias, but are sects.

Dasas are described by Mr Sherring as illegitimate descendants from an Agarwala named Basin and are counted by him as a subdivision of Agarwalas. The Dhúsars came originally, it is said, from Dehli, where they are distinguished for their talents as singers, cultivating a peculiar strain or measure in which they are unsurpassed. Mr Channing, in his report on the Gurgaon settement, writes of the Dhúsars of that district as claiming to be descended from Brahmans. He states that they derive their name from Dhosi, a flat-topped hill near Narmanl, where their ancestor, Chimand, performed his devotions. Besides being rigid in the performance of Hindu ceremomes—mostly worshipping Vishini rather than Siya—there is little further to be sind about them.

Rahtís also called Karyáns, are an inferior class of Bohras or moneylenders. They lend money to agriculturists and others
in a small way, generally by tens, and for every ten
rupces take a hond for twelve payable by instalments of one rupce per mensem.
The continually revolving nature of their dealings, and monthly visits to each
of their debtors, have, with reference to the constant revolution of the Persianwheel (rahat', procured them the designation of Rahtís. The derivation of the
term Karyán is not so certain. Bohra is probably from beohar, meaning
'business' or, 'trade', and is applied to others than Bamas proper, especially
to Brahman money-lenders. Between the dealings of Rahtís and Bohras Sir
Henry Elliot notes the distinction that the former require repayment of loans
in cash, while the latter are ready to receive every markotable commodity?

Of the remaining subdivisions the accounts given present no features of sufficient interest to detain us. We may just note in passing, however, that the total population of Banias has apparently fallen from 32,261 to 30,458—a reduction of 8,803, or 19 per cent—during the interval between 1872 and 1881. This falling-off cannot be accounted for by the exclusion of Jains in the census of 1881, as the total number of Jains returned is only 571, a suspicion however exists that many Jains have gone into the returns as Hindus 4

¹ Sherring, I, 293

² Rája Lakshman Parshád says it is from Káin ('what?' wherefore?'), a word they are continually using in ordinary conversation (Bulandshahr Memoir, p 152)

³ Suppl Gloss, I, 44

⁴ A reference to the district authorities has failed to cheit any satisfactory explanation of the decrease of 19 per cent above mentioned.

Among the "other castes" the consus returns give the population of the The other castes

following, to which the name of the special calling or trade followed, or other brief note to aid in identifying them, has been added —

Casto.	Total population (in 1841)		Casto.	Total population (in 1881)	Females.
Ahar (outsle-breeder), Ahir (cowherd)	87 306	18,912	Kayasth or Kayath	10,870	4 762
Barbai (carpenter)	16,567	8 981	(scribe)	1 1	
Bh ngi (see enger)	H 7 1	9,654 11 609	Korl (weaver)	8,881	1 784
Bhar (aboriginal)	1 77 6	11 009	Kumbár (potter) hurmi or Kumbi	21,028	10,386
Bhat (gencalogus pa	1,292	631		1,048	411
negyriat).	.,,,,,,		Lodh or Lodha (culti-	12,734	858,6
Bh rji or Barbhunff (grain p reher)	4,506	183,8	Lohir (blacksmith) Lonia (salt-extractor).	465 31	704
Chamár (urrier agri culturist).	179,865	85,186	Mallah (gordener) Mallah (bostman)	43,850 804	31 480
Dhafin k	28	11	Nái (barber)	10.038	808 4,623
Dhobi (washerman) Dom	661	8,925	Pial (fowler watch	26	14
Gadaria (shepherd) Gasain	23,703 8,449 (11 217	Suni (gold and allver amith).	8,278	3,916
Gájer	2,163	6 036	Tags	10,559	4 273
J#	50,4 4	22,191	Tanoli (betel-nut	318	160
Ráchhi (ag iculturist)	14 #49	7 4 0 5	seller).		
Kahá (palki beerer),	30,7 7	14 601	Tell (liman)	450	199
Kalwar (duuliers) Khatik (pig and pool	1 104	270 566	Umpecified	99,313	44,921
try breeder)		•••	Total	658,987	306 490

Castes and occupations are inextricably mixed up, and many of the names
of the latter, which will be given hereafter, are ordinarily used as caste names
Ahirs must not be confounded with Ahars, who are found at present on
the banks of the Héwganga, in Sambhal, Rajpura, and
In the neighbouring parganahs Asadpur, Salmawan

and Ujhani, of the Budaun district,—a tract familiarly known under the name Aharát. These Ahars, equally with the Ahirs, claim descent from the Jádoobansi (Yádu) Rajputs, but the latter say that they are the real Jádonbansi, descended in a direct line from Krishna, and that the Ahars are descended from the cowherds in Krishna a service. As proof of the inferiority of the Ahars, they point to their habits of eating fish and milking cows. They are, however, aline t universally confounded by other classes and very often disagree in the accounts they give of their own genealogies.

Ahir subdivisions.

The following subdivisions of Ahirs ore shown in the recent census returns (1881) —

¹ The eastes selected by the centus department were those only of which the total for the pro incres exceeded 100 600. A separate list of the un pecified " in the cen or form has been perpared from the vernacular returns and is given on p. 72 past. Sappl. Gloss., I., p. 6. With more than 100 members each.

Name of subdivision	Total po- pulation.	Females.	Name of subdivision	Total po pulation	Females
Baglá or Bagúlía Gwalbansi Jádubansi	121 135 7,561	64 20 3,296	Unspecified Specified subdivisions with under 100 mem-	7,712	3,142
Narimán Padhánian	155 151	67 67	bers each . Total	16,567	6,981

A further account of this caste will be found in the notice of the Muttra district, their original seat

Like the Jats the Gujars say they came from the west, and are found as far west as, and even beyond, the Indus Nearly three-Gujars. fourths of those in the Panjáb are Musalmáns their origin Mr. Beames thinks1 the most probable story is that which makes them a cross between Rapputs and Ahirs Their habits are more pastoral than agricultural; and Mr. Beames mentions a derivation he had heard of their name from gau, a cow, and charna, to graze Without adopting as undoubted the theory just mentioned as to their mixed descent, he points out that the province of Gujarat, which seems to have been their first abode,2 lies between the Rájput province of Malwa, &c, and Sindh, where the Abhiri, who are supposed to be the Ahirs, formerly lived. He tlinks their fine manly Aryan type of features negatives the supposition that they might be abougines. After them are named Gujarát in the Chaj Doab, Gujaránwála in the Rechna, and Gújar Khán in the Sindh Ságar A great part of the district of Saháranpur was during the last century called Gujiát, and even to this day among themselves the Gújars speak of a part of that district between the Ganges and Jumna as Gujrát There are numerous sub-tribes, such as Batár, Khúbar, Khare, Jatli, Motlá, Surádna, Purbar, Jindhar. Mahainsi, and Kasane. All these tribes intermarily on terms of equality, the prohibited gots being only those of the father, mother and paternal and maternal grandmother 8

Gújar subdivisions

The following subdivisions (with more than one hundred members) were found in 1881—

Name of subdivi	sion	Total po- pulation	Females.	Name of subdi	vision	Total po- pulation	Females
Bhadori		101	41	Katáriyá	***	302	126
Bhále Sultán	•••	703	305	Lomor	•	174	68
Bidhori .	•••	128	55	Lúdan	•••	157	62
Bomor .	••	173	64	Múndan		38 0	163
Boswár		134	54	Nágre .	•••	1,099	4 28
Chandel	•••	151	70	Unspecified		7,090	2,956
Jabádarı		107	56	Specified subdi-		667	265
Jaji (or Yájí)		196	85	with under 100	mem-	l	
Kalyanı	•	129	50	bers each		ĺ	
Kapasi	•••	199	85				
Karas	•••	273	105	Total		12,163	5,038

Suppl. Gloss, I., p 101 2Mr. Ibbetson queries this supposition and points out that Gújars are numerous in the hills of and beyond our N.-W. frontier. 3 Suppl. Gloss, I, p. 103.

From the vernacular lasts compiled in the census office the following

The "unspecified" of the
appear to be the details of the "unspecified" castes, and
census

they are added here as it may be of some interest to

agoston them

Name of	caste,		General occupation.		Total pop
chirle			Vinisters of Hindu religion		1
belia	-	-	Fowler		(63
anbatta	200	-	Rope-maker		1 1
anjára	, ma		Tra elling grain dealer	-	j 59
Ansohor			Bemboo-wo ker		
Aranwál			Trader		96
ári		***	Leaf plate seller torch bearer	-	17
arw I		-	Grass-outter and sailer		8
lengall	-	-	Bernant		8
3 intá		-4-	Title!	-	22
ibli		**	Laborer	-	
ilwir	***	_	Grain dealer and cultivator] 11
314611			Small trader		1
hauhán,			Agriculturist, land-owner		21 25
Thbipi			Calico printer	_	2.38
eral		-	Tallor	-	2,21
evotees 2		-	Mendicanay	-	7 26
Thunda			Outton-arder		8,31
		-	iffikman cultivator		7.8
iBOsi " alawar			Grass cutter shoemaker såi, wenver		24
cath(Servant, rereiver of alms	=	81
plaha	•••		West :		9.3
	-		Bocso painter		
Semanger 3		***	Clt stor	-	23
mboh	•••	•••	Dencer prostituie		8
Kenchan -			Hope-maker trapper		741
Kajar	***	-	Motal reard dader		133
iaserá	***	-	Herchant		34
iá bmíri	***		Agriculturist, laborer domestic servi		27 56-
Chági		•••	Morchant, servant		19
Shettrl				= 1	2.19
Sotamáll	-				1,03
inta	•••	***	Trader		-,
obla			Barton as of farmand commanies of	Hindos.	11.
Jahahrahman 4	•		(law bengle maker and seller		6
lanıbar	***	*	Priess	í	
farhatta			C ltirator cattle-breeder		1,484
leo	-		Brick layer		
limár					1,80
Tas	***	•••		-	21
)rh		-	Trader		100
Parla	-	***		-	6.42
ania.		***			1.2
at wá	***	***		-	91
Ramalys	•••	•			
Rangbharia		-	Dy r Fisherman and water-nut grower		91
la ghár	-	-			4
seperá	***				1
I wait	***		Dancer prostitute		1 1
Tháru	***	•••	Cultivator		13
I hathers		-	Brass and copper smith	_	76
Daspecified	-	***	Total	_	99,54

i Blasii is derived (doubtfully) by Felion from H. Stead to buy? Elliot says the spelling with be as if the word were de I ed from bisit, a carpet, is incerrect, if For details see below for infinity bownshor? By some said to be the same as Achirja and both are usually accounted Brahman.

74 NORADABAD

Mnhammadan Rájputs are often called Rángars or Ránghars, and a good deal of ingennity has been displayed in accounting for Mühammadan Rijputa the name some, like the Encyclop Metropol (art. "Dehli), giving as the meaning "turncoats or renegades from the Hindu faith, and others, like Sir J Malcolm, translating it "barbarous" According to the latter1 the Rajputs themselves say the word is derived from ran, battle. and gorh, a fort, and explain the name as having been bestowed on them hy one of the kings of Debli as expressive of their hravery; but the Marhattas say that the derivation is from ran, a forest, and gari, a barbarian. Sir Henry Elliot favored the derivation from ran, so that Rangar would mean " warner. but Mr Beames notices that rangra is n word said (on the strength of Molesworth a Maratha Dictionary) to be applied freely in abuse of persons or of speech radged to be rude and uncouth 5 This would apport the translation " barbar ous. Dr Fallon gives the word as ranghar (Hinds), "Muhammadan Rajputs in the south and west of Malwa and in Mevar, and he gives the word ranghari, " a Hindi dialect spoken in those parts. He does not attempt to explain its origin

The Muhammadan Gujars are few in this district and are not found elsewhere an Gujars.

Where in Rohilkhand, but in the Meerut division they muster 26,070 and in the Rae Baroli division 10,806, the total for the united provinces being 39,858

The Tagás are said to claim connection with the Ganr tribe of Brahmans. The Muhammadan Tagás are found in these provinces Taris. exclusively in the Saharappur, Muzuffarnagar, Moerut, Aligarli, Bulandshahr, Bijner and Moradahad districts and all told numbered 26 070 persons. The name Tand is said to be derived from H tydand (to give up), possibly in connection with their ebandonment of the position of high Brahmans ofter Raja Janamajavá s snako sacrifice From priests they became agriculturists end the legends concerning this change are numerous.4 They were found in full possession of the Meerut district when the Juts and other off shoots of the Rapput caste swarmed across the Jumna as colonists. Mr Forbes asks if it is possible that the Tagas are " ancient Brahmans of the country, excommunicated in the mass for evil deeds connected with the downfull and destruction of the legendary city of Hastinapur? At the concinsion of the strugglo between Prithivi Raj and the Muhammadans the Tagas came into favor with the Musalman omperor, who employed them to harnes the Chanhan Central India, II 304 Soppl. Glors I., 5 North Western Provinces and Oudh For a full account of them and of the specul flow to which they have given rise see Suppl Glors I p. 106 et see Paper on Castes by W Farbers Enq C.D., formerly linguistrate of literate quoted by Sharring 1 67

Rájputs to which clan Prithivi Raj belonged. The enmity thus engendered between the Chauhans and Tagás had a long continuance 1

The Jats and Mewatis are few in number in this district. The former (Jats) are divided into two grand divisions known locally Játs as Paelihado and Deswalo (corresponding to the Dho and the Hele of the Doub) The Pachhades, perhaps so called from pachchlum, "the west," or from pichhe, "afterwards," are, according to Sir Henry Elliot, "a later swarm from that teeming have of nations which has been winging its way from the north-west from time immemorial. They are in consequence frequently called Panjábis and scarcely date their residence beyond a century before the present time, when the troubles of the empire enabled them quickly to extend their usurpations "2 The Desvale or Dhe may, thinks the same writer, be descendants of the Dahæ, "whom we know to have been on the shores of the Caspian, the conterminous neighbours of the Massagetæ (the great or, as Larcher supposes, the eastern Júts) in the south-west, and on terms of amity with them during the latter period of their residence in that quarter, and may therefore have advanced with them on their onward progress towards India, after the destruction of the Bactiian empire" But Mr Beames mentions, as the hypothesis that is gaining ground amongst sound philologists, that which makes them either Rájputs who have lost easte or the offspring of Rájputs and some lower easte. He thinks that Sn Henry Elliot's speculation about the Massagetæ, &c, cannot be supported.3 More immediately interesting is the description Mr. Beames gives of their manners and customs They and the Gújars, Ahiis and some other tiibes have the custom of marrying widows to a younger brother of the deceased husband. This custom is known as chadar dalna, a term derived from the ceremony adopted. Such a marriage is also commonly called karáo or (in the Panjáb) karewá, but this term is also applied to concubinage generally It consists merely in the father-in-law handing over the relict, who is accounted among his mál (property), to the next younger son, who throws a scarf over her head This practice of widow marriage with a member of the deceased husband's family is perhaps a relic of polyandrous customs, retained owing to the comparative scarcity of women and from a natural desire on the part of the head of the family to economise, as brides have invariably to be purchased by the father of the bridegroom Mr Alexander suggests that "the custom may have been adopted in default of sati (by which

Sherring's Hindu Tribes, I, 68 2 Mr Alexander writes that most of the Jats in this district call themselves Pachhade, which is supposed to be the superior division. 8 Nor does he accord greater respect to General Cunningham's speculations regarding their supposed Indo Scythian origin, from the etymological resemblance of Xanthii to Jats For a detailed examination of these theories see Suppl Gloss, I, 133-2.

76 HORADABAD

the higher castes disposed of their widows) as the best wey of arranging for the widow's maintenance and keeping her straight.

Mewat is the ancient name of Machen and gave its designation to the tribe called Mewatt,1 of which there are 12 subdivisions called Mowattle. Pals. Mr Hume in his note on the castes of Etawah epeaks of the Mewatie (under their synonym of Meos) as overrunning the antarbed in the interval between the fell or decline of the Rathor dynasty and the rise of the two powerful Rapput races, the Senghers and the Chauhans, who with other tribes, like the Ganra and Bhedenrias, came from the south and west and exterminated the Meos in these ports. Dr Fallon describes them as "a thieving tribe inhebiting the mountainous part of Debli, but edds that they "ere now settling down into most respectable members of society" He quotes two preverbial sayings regarding them -1 stee bett jab do jab okhli bhar rupayd rathwa le -" When the Meo gives his daughter in marriage, he receives from the bride-groom a mortar (for pounding grain) full of ailver 2 Mee kd pitt barah baras men badla leta han.-" The Meo e con evenges the honor of his family even after the lapse of twelve years Mr Channing auggests that perheps the Meos are such of the aboriginal Mina population of the Aravalli hills as were con verted to Mnhammadanism, and that their name may be a corruption of Mewasats or 'men of the monatous passes According to Tod " Mewasso is a name given to the fastnesses in the Aravalli hills, to which Mines, Kolis and others make their retreat. Pal, the term used for the main subdivisions of Meos and Minas, is said to mean a community of any of the aboriginal races, its original import being a defile or valley, fitted for cultivation or defence

Two classes of Muhammadans not shown separately in the census returns are the Khokars and Mülás. The Khokars are said to have been Rájputs of the Balendshahr district convert ed in the time of Bábar and settled near Sambhal Múlás ero said to be partly converted Tajas and partly descendants of a Katehria Rájput who turned Muhammadan.

The inhahitants of Moradabad may be divided necording to eccepation, into

Occupations.

two primary classes—these who as landholders and
husbandmen derive their living from the soil, end these
who do not. To the former the census of 1881 ellots 771,5612 persons, or 67:05
per cent. of the total population, and to the latter 880,612 persons, or 82:95 per

¹ Mee Merdii Mirett for the masculloe and M sten, Meest for the feminion. ¹ Héjas than II p. 78 ¹ Form XAI. This number has been surved at by assuming that the ratio of the total population to the pricalitural population is the areas that between the number of miles of all occupations and the number of miles of all occupations and the number of miles of all occupations.

cent Excluding the families of the persons so classified, the number allotted to the former class is reduced to 315,205 persons actually possessing or working the land. The details may be thus tabulated ·—

				Male	Female	Total.
Landholders Cultivators Agricultural labourers Estate office service		•••	•	11,877 215,162 38,756 2,879	1,815 38,276 6,433 7	13,692 253,438 45,189 2,886
	Total ag	rıculturists *	••	268,674	46,531	315,205

The density of population per square mile of cultivated area varies from 1,108 in the Moradabad tabsíl to 572 in the Hasanpur tabsíl.

Following the example of English population statements, the census distributes the inhabitants amongst six great classes -(1) Classification according to census returns the professional, (2) the domestic, (3) the commercial, (4) the agricultural, (5) the industrial, and (6) the indefinite The first or professional class numbered 9,779 males, amongst whom are included 3,766 persons engaged in the general or municipal government of the country, 665 engaged in the defence of the country, and 5,348 engaged in the learned professions or in literature, ait and science. The second or domestic class numbered 3,427 members and comprised all males employed as private servants, washermen. water-carriers, barbers, sweepers, nin-keepers and the like The third or commercial class numbered 11,617 males, and amongst these are all persons who buy or sell, keep or lend money and goods of various kinds, such as shop-keepers, money-lenders, bankers, brokers, &c. (2.596), and persons engaged in the conveyance of men, animals or goods, such as pack-carriers, cart-drivers, &c. Of the fourth or agricultural class something has been said already; but besides the 268,674 males engaged in agriculture, as shown in the preceding table, the census returns include in this class 2,499 persons engaged about animals,8 making a total of 271,173. The fifth or industrial class contains 79,123 members, including all persons engaged in the industrial arts and mechanics, such as dyers, masons, carpenters, perfumers, &c (4,981), those engaged in the manufacture of textile fabrics, such as weavers, tailors, cottoncleaners, &c. (36,014), those engaged in preparing articles of food, such as grainparchers, confectioners, &c (13,951), and lastly, dealers in all animal, vegetable or mineral substances (24,177). The sixth or indefinite class contains 235,172

Form XII, table 6 That is, agents (karında), orderlies and messengers (chaprasi), and others employed by landholders in the management of their estates Class IV, Order IX.

78 MORADABAD

members, including keboniers (18,067), persons of independent means (4), and persons of no epecihed occupation (217,101)

From the lowest or labouring class are obtained nearly all the recruits for emigration to the colonies, and how small n number aren of the class consent to undergo exile, notwithstanding the frequent pressure of want of late years, will be even from the following statistics.

The number of emigrants between Novamber, 1879 and December, 1881, In 18 9 e1 was 452 adults (97 females), youths 17 (6 females) and 3 infants (1 females), total 462 (104 females). Their destinations were Trinidad 197 (40 females), Jamaica 196 (55 females), Demerara 42 (5 females), St. Vincent 29 (4 females), and St. Linus 8 (no females)

The number of villages or townships inhabited by the population, agrioultiral and otherwise, is returned by the census of
1881 as 2,446 Of these 3,801 had less than 1,000;
132 between 1,000 and 5,000 8 (Aghwanpur-Mighalpur, Thakurdaars,
Naranli, Sirsi, Kant, Hasanpur, Dhananra, and Bachhrann between 5,000
and 10 000 and 5 (Moradabad, Chandausi, Samhhal, Sarai Tarin, and
Amroha) over 10,000 inhabitants

The number of inhabited houses according to the recent (1881) consus

was 148,681 In 1872 they were returned at 252,844,
and a further distinction between those built "with
skilled labour (17,128), and those with unskilled labour (235,21b) was drawn,
which has not been imitated in the last returns. We are not called upon to
repeat here the descriptions given in nearly every preceding notice of the
kind of houses occupied by the people, nor is it possible to add anything new
on this subject.

The absence of good huilding stone may have something to do with the paucity of objects of prehapological interest. The following list professes to include all places where temples, mosques, shrines, &c., are found, that have any pretence to aniquity or interest. The places are given in the order of tabills, and the figures in brackets indicate the local idea as to the probable age in years, except where a date is given:—In tabill Thakurdwars there are ancient mounds (khera) at Sarkara khés, Farilpur Kásim, Gotávell, Bázídpar.

Thikurdwira. Sultanpur, Tikhunti Mankua Maksurpur, and Madho-

wala; funeral monuments to commemorate places where widows have committed satist Rümnagar (80), Jammin ila (125) Kamülpuri (two, each 100), Surjamagar (150), Sabalpur (150), Taharabad (150), Khai Khera (100), Sherpur (200) and Rütspur (125); Hindu temples at Muhmudpur Lül (65), Babadwüla (150), Hasüpur (80), Thükusdwürz (two, 60 and 70), Fatch-ullahgan (two, 90 and 100), Alfabad (50), Bhüpur (90), Khai Khera (300), and Rüjpur Kahün (50), and Muhammadan mosques, shrines, &c, at Shimül Khera (50, Münpur Sähib (50), Thükurdwürz (three, 50, 70 and 115), Jamnáwüla (70, Fatchullahgan (three, 60, 70 and 80), Shaifinagai (50), and Surjannagar (50).

In Moradabad there are ancient mounds (1 hera) at Sirdárnagar and Nürkhera, and Hindu temples at Mughalpur (232), and Bhoppur Asa (200). The Muhammadan mosques and shrines are 7 in number. I being at Mughalpur (218, 200, 250 and 220), and three at Moradabad. The latter three are the Jāni Masjid, the fort Masjid, and the Masjid Bādshāhi, all built in 1625 AD. The Moradabad fort was erected by Rustain Khán in the same year. The bridge across the Rajhera in Dilári is supposed to be about 250 years old, and to have been built in Sháh Jaháu's time under the supervision of Rustain Khán.

The only objects worthy of mention in Biléri are two mounds (Lhera) at Kahia and Sarthál. In this Amroha there is, near Amroha itself, a curious old well called Bawan Lúán (age uncertain) and, in that town, a mosque and shrine (ziárat) in muhalla Saddo to Shakh Saddo, the famous tomb (dargáh) of Sháh Wiláyat, and numerous other objects of interest which will be found mentioned in the town notice.

In tahsil Sambhal there are the remains of an ancient fort in Sambhal itself, locally ascribed to Prithii Ráj, and on the mound which is pointed out as the site of this fort there is an ancient mosque, said to have been built by the emperor Babar on the site of a Hindu temple, or, according to another account, the mosque is merely a Hindu temple converted into a Muhammadan place of worship. There is another small masonry fort in the Mián sarái ward (250). It is said that there are only two Muhammadan shrines of special interest, both at Sher Khán sarái (200 and 400). The remaining places of interest are Hindu tiraths or holy places along the courses of sacred streams. These are the Bánsgopál Bee separate notice of Sambhal, post.

the Rajput clans Children of such marringes among the castes excepted are usually recognized as true members of the caste.

There are no castes that admit of the enrolment of outsiders, and (2) Exclusion from and re-admission to caste.

(3) Exclusion from and none that do not exclude members on their conversion to Christianity or Muhammadanism.\(^1\) There is ut present no particular caste from which Muhammadanism is making converts. Besides conversion to another religion, the usual causes of exclusion from caste among Bráhmans, Rájputs und Banias are (1) publicly drinking wife from another caste (except amongst Játs and Rájputs) There ure other causes, such as the killing of u cow; but conviction for u crime, such as theft, is not regarded as a ground of exclusion. Amongst the lower orders an outcast is readmitted after obtaining the consent of the caste-people and on payment of sine. The higher castes never in practice re-admit an excluded member. All caste-questions are laid before a panchdyat or commutee consisting of the principal members of the caste.

In boundary disputes private arbitration was formerly much in fashion, and often the decision was feft to u single individual appointed by common consent. The arbitrator, haring bathed tied a rope or thread around his waist, and taking u bamboo stok in his hand, walked around the boundary line, while Chamárs marked ont piaces for the boundary pillars and hursed charcoal ut the points that wore settled

Chandhris are appointed in most trades, but are losing their old infinonce and power. It is only by Government that they are much recognized or utilised.

We shall not add here to what has been and in former volumes on the subject of Binddism. Religion: Hinddism generally, nor is Moradahad the special home in my sect, so far nt least as is known. A hat of devotees has already been given in the portion of this notice concerned with the census, but it of course gives no clue to the proportions of the Hindu community that are votaries respectively in Vishina and Shiva. Neither does it probably give mything like an exhaustive statement of the numerous sects. So far from furnishing the last, it is probable that unongst the 4,115 so-called Vash-

Vaishnava applies. Something has been done in the way of describing these sects in former volumes, but necessarily in a disjointed fashion, and it is impossible from the census returns to determine in which district any particular rect is most prevalent. It will be reserved to the notices on Muttra and Benares to give an account of the sects of Hindús not already sufficiently noticed ¹

But there is a special reason why we should devote some space here to the Muhammadanism.

The professed followers of Islâm muster strongest in Moradabad of any district in these Provinces, numbering 381,716 to 767.811 Hindús, or a little more than half the number of the latter. The prominent features of the Muhammadan religion may be grouped under six heads. (1) The causes which led to Muhammad's success. (2) the distinctive character and peculial structure of the Kurán, (3) the traditions by which it is supplemented; (4) the doctrinal side of Islâm, (5) its moral and practical side; and (6) its section divisions and corruptions. The first five of these heads will not be dealt with here, as there are ample sources of information elsewhere, and it will be enough to refer the reader to a recent synopsis of them by Professor Momer Williams.² Of the sectarian divisions of Muhammadanism which fall under the sixth head, a brief account will be given.

The Prophet, tradition asserts predicted the appearance after his death of 73 seets, of which one only would be rightly regarded as ortho-Its sectional dividox. Whether the traditional number has been yet reached or passed is doubtful, but certain it is that each severally imagines that it is the only true form of Islam and the one indicated in the prophecy. The three main divisions, however, are without question the Sunnis, Shias and Wahhabis, the last a very modern sect, as we shall presently see. It is usual to describe as Sunn's the Indian Muhammadans, the Turks, Egyptians and Arabs, to apply the term Shia to the Persians, and that of Wahhabi to the inhabitants of Eastern But this territorial division is—as the recent census returns amply demonstrate—only partially true, perhaps no more so than the statement that Englishmen are members of the Church of England and Irishmen of that of Rome. The analogy is not so far-fetched as it might seem, for the writer just mentioned8 remarks that the Sunnis constitute a kind of established church, while the Shias and Wabhabis represent the non-conformists. He writes .-

"The dissent of the Shias turns mainly on the succession to the Khalifate The Sunnis connider themselves the only orthodox followers of Muhammad, on the ground that they accept

¹ For Ramanandis or Ramavats, see Gaz., IV., 290-92, Kabir Panthis, Ibid., 562-65, Jains, III, 497-99, Sadhs, VI, 73-74, Jogis, Bairagis, and Sannyasis, V., 591-92, Bishnois, Ibid, 302, Atithis, Radhaballabis and Aghorpanthis, VI, 654-57

2 In an article on Muhammad and his teaching in the Nineteenth Century for July, 1882, pp 60 83

3 Professor Monier Williams in the article above referred to.

Abd-bake Omar and Othman (the first two being the Prophet's fathers-in law and the third bis son in-law) as rightful Khalifs or encessors of Mahammad, and that they submit themselves to the authority of the traditions (Sannah) as interpreted by four great doctors (sometimes called Imaims), Hanife, Malik, Shafa'l and Hanbal, each of whom is the leader of a different religious party among the Sannia.

"The Shies on the other hand, protest against the legality of the aucocession of Mahammad a three immediate successors, and declare that the Khalifate ought to be a passed at once and Hussin). Prophet's courin and son-in-law (husband of his daughter Fätimah and inther of Hassa and Hussin). They are said to have seconded about 243 years after the Hijrah but in reality they existed as dissenters from the time of Muhammad a death th ugh not in great numbers or are an organized body

"The Shias, in fast, only ecknowledge twelso true successors of the Prophet, whom they call Infans or religious leaders, the first three being All, Hasan and Humin, and the trelith, Abé Kaim (also called Mahdl, "the guided"). This twelfth Infan is held to be still living in some place of concealment. Born in the neighbourhood of Baghdad in the 25sth year of the Hijrah, he disappeared in a mysterious manner and is to reappear at the end of the world, or, as some say at the second coming of Christ. In the meanwhile the Shias are without's supreme spiritual head and are obliged to trust for guidance to their Mujitahids, or learned doctors, who decide upon all questions of doctrice and law

"It is a mistake to suppose that the Shias differ from the Sunnis in essential dottrines. Revertheless Bhias are certainly inclined to give too great hoose to All, adding to the two clauses of the usual crood a third—that All is the Walf or representative of God. Some of the thirty-two scots into which the Shias are said to be divided even evince an inclination to stalt All above Muhammad, and one seet holds him to be an incurrantion of the delty. It is also wrong to suppose that the Shias reject tradition. They do not assect to the whole body of Sannah accepted by the Sunnis, but they have a Sunnah of their own, and this contains some traditions hold in common by both Sunnis and Shias

"The Shiss, of course observe the cerestonless of the Meharram, or first fromth of the Mahammadan year much more strictly than the Sunnis. The latter only keep the 10th day with much columnity as the day of the creation of Adam and Eve; but all the first ten days are observed by the Shits as days of mourning for the martyrdom of All (assasshated at Káts in the year 650) and for the murder of his sons Hanan and Huesin. Hava is said to have been poisoned by his own wife, and Hussin with severenty-two relatives and followers not a cruel death at Karbalá near Baghdad, being there massacred by Tazid, son of the first Umnyyad Khalif (Mudiyys). Hence the Shits perform pligrinages to the form of Hussin and his fellow-marryer at Karbalá as well as to the Kalba hat Mecan. Their religion is generally of a loss mechanical character than that of the Sunnis. They are more thoughtful and speculative and less inclined to interpret the material descriptions in the Karain literally. Their modo of praying varier from that of the Sunnis. The harms boing held straight down tostend of crossed over the breast. Probably the Influence of Zorosstrianism in Persia helped to modify the Persian form of Islâm. It is also to be noted, that the Shifs tenets gave birth to a kind of mystical philosophy called Saffling, very similar to the Indian Vedista system

"The Wahhhbis were founded about 150 years ago by a man named Mehammad but were called after Abd-al-Wahhbb, the name of their founder's father. They are very purished active rejecting all traditional teaching except that of the Prophet's companious prohibiting pligrim ages to the abrines of the immon or to the tumbr of Pirs, and to other respects trying to restore Islâm to the condition of greater purity which originally belonged to it. But they are very fanational and are found of advocating Jehfal, or the undertaking of religious ware—like the Caristian crussales—against all infidels, whenever a probability of success offers,"

²Dated January, 1882

As is shown by the census returns the Muslims of India for the most part call themselves Sunnis, but the majority really follow Indo-Muhammadans a Hindúized form of Islám which has adopted many practices and superstitious observances from Hinduism. There can, indeed, be fewer subjects of greater interest than this one of the Hindúizing process which the Muhammadan invaders of India have undergone -a process which has not been confined to their religion, but has included their domestic, social and even political institutions. The astonishing preservation of Hindúism is itself a problem, and its reaction on Islám has been at least as striking as Islám's influence upon Hindúism: indeed, some observers see a tendency on the part of the latter to extend itself at the expense of Islam 1 The conventional divisions of Indian Muhammadans into the four classes of Saiyids, Mughals, Patháns and Shaikhs has already been mentioned and commented upon. Saivids have been called the Brahmans of Muhammadanism, and, like the four conventional castes of Hindús, these classes of Indo-Muhammadans are again sub-divided into what for most practical purposes may be regarded as castes, for each has its own customs and observances, and although, according to the Kurán, all the followers of the Prophet are religiously and socially equal, they have very strong caste-ideas with regard to marriage, commensality, &c

Among the points of contact between Indo-Muhammadanism and Hindúism may be mentioned the reverence accorded to aged men who have lived holy lives and are regarded as spiritual guides The Muslim's name for these spiritual leaders is Pir, and the tombs of Piis in all parts of India are thronged In the North-West there are five Pirs who receive special - with worshippers honour, corresponding probably to the five Pándavas among the Hindus

The Christian religion is mainly represented by the American Episcopalian Mission. From its 17th annual report2 we The Christian religion the American Episcopalian learn that there are Mission stations at Moradabad, Chandausi, Sambhal and Amroha There appear to be no less than 35 Sunday schools in Moradabad, with 1,150 pupils of all The adult congregation is stated to be about 450 in number day-schools there are 28 in Moradabad itself, of which 12 are boys' vernacular, 14 girls' ditto, and one boys' and one girls' Anglo-vernacular There are 44 teachers and 862 pupils (196 Christians and 666 non-Christians), with an average daily attendance of 770 The annual cost is stated at Rs 6,524, or Rs. 79 or each pupil. At Chandausi there are two boys' and two girls' vernacular and one boys' Anglo-vernacular, at Sambhal two boys' and six girls' vernacular schools and one boys' Anglo-vernacular, and at Amroha there are two 1 See Barth's Religions of India (Trubner, 1882), p 289 et passim.

boys vernacular schools For the whole district, then, the Mission provides 45 schools (4 Auglo-vernaculur', which have 66 teachers and 1,828 pupils (1,086 non Christians), costing sunually Rs 8,293, or Rs. 62 for each pupil. The native Christian community in each circuit (according to the report) numbered (1881) in Moradabad 620, in Chanduus 41, in Sambhal 714 and in Amroha 534 total 1,909 ¹

The buildings belonging to the Mission include seven chirches valued at Rs 8,500, and 12 parsonages at Rs 11,900, free from all debt. With one exception the accessions to the community during the two years 1880 and 1881 were all from 'Hindúism' and are stated as 89 for the former year and 150 for the latter. The report is silent as to the classes of the Hindu population from which converts are drawn, but work among the Chamárs is mentioued is "giving encouragement. The report does not allude to any industrial branches in connection with the Mission work in this district such as exist in Shabhahapur.

Amongst the many poets and historians whose memory has perished the name of one at least is preserved. Mir Sa adst Literature and language, Ali, better known by his poetical name Sasdat, was a pupil of Shah Wilayas Ullah and a resident of Amreha. He was the anthor of a poem called Sels Salhson, containing the story of two lovers who hved in the time of the wazir Kamr ad-din Khan A long list of modern anthors and their works, both printed or lithographed and in manuscript, might be given in proof of the fact that interature is not neglected in Morad abad. A dry calalogue would, however, huve but little general interest, and wo must be content with noticing that among the works alluded to are a Persian dictionary, three treatises on grammar, half u-dozen on history, some ishelled 'poetry,' and a considerable number of religious polemical essays defending Islam or attacking Hinduism The large majority of these works are in Urdu or Per-Sanskrit literature is represented by ut least one work, the Sambhal Ma hdimya, which is a kind of manual for pilgrims to Sambhal The work does not appear to have been translated into the vernacular It professes to be a part of the Skandd purds, but contains no cino to the author or the date of its compila It is divided into 27 chapters containing 1,784 slokas. There is little of historical interest in the work, the greater part of at being occupied with des criptions of the various thraths and their virtues, with narratives of the wonder ful results obtained by individuals from visiting them

³The centrus gives the total of all Christians on 17th February 1881, as 1,377 and these figures include not only the native Christian community but the European civil and military residents. There is therefore a considerable discrepancy between the two commencations.

It is usual to speak of Hindi as the language of the common-people throughout these provinces, but recent research has disclosed the existence of at least two main languages, the Eastern Hindi and the Western Hindi, with many subordinate dialects. This district comes within the area of the Western Hindi, of which the typical dialect is the Biaj In passing it may be remarked that the recent census (1881) gives the mother-tongue of all persons in the district, except 532, as Hindustáni. Of those excepted 438 spoke English, one Assamese, 75 Bengali, one Greek, two Gujráti, three Kumáuni, two Panjábi and 10 Pashtu.

There are numerous printing presses established under high-sounding names and ten veinacular newspapers are published—nine in Moradabad and one in Amroba These are known by the following names—Naiyai-i-Azam, Aín-ul-Akhbár, Aína-i-Sikan-dari, Najmu-l-Hind, Sitára-e-Hind, Núru-l-Akhbár, Akhbár-i-Lauh-i-Mahfúz, Rohilkhand Akhbár, Jám-i-Jamshed or Rohilkhand Panch, Ahsan-ul-Akhbár. The last is published at Amroba.

One literary society under the name of the British Indian Association has been in existence since June, 1868, and the Arya Samáj, a Hindu religious society, was started in July, 1879.

We have already mentioned the Mission schools, and it remains only to notice those established by the Government The statistics for these for the year 1880-81 may be shown as follows:—

	19,		mber o holars		attend-				ne by		
Class of school	Number of schools.	Hindús,	Mnsalmáns	Others	Average daily a		Cost per hend		Expenditure borne the Sinte	Total charges.	
Zıla (hıgh) . Tahsîli and parga	noh	1 8	166 299	37 216		149 387		a 6 1	p 9	Rs 7,197 2,366	Rs 11,238 2,749
Government Halkabandı Bo	ys	114	2,029 16	1,230		23,30 76	6	8 4	0	2,000	14,41-2
Municipal. Government Girls Municipal \{ Bo		"10 3	169 35			299 42		7 2	10 3	***	1,342 884
Aided by Boys Government Girls	•••	4 17	251	102	68		12	8	10	1,596 1,392	
Total	947	163	3,067	2,288	169	4,070	9	9	8	12,551	39,087

¹ See Beames' Comparative Grammar of the Modern Aryan Languages of India in 3 vols. (Trübner, 1872-79), and Dr. Hærnle's Grammar of the Gaudian Languages (Trübner, 1880).

If to the 168 Government and aided schools would the 45 missionary schools niready described, we get a total of more than 200 but some of the missionary schools are included in those "aided by Government," so that the number of actual schools open in the year was something less than two hundred. The high charges incurred for the xila school brings up the inverse annual cost of education at a Government school to Rs 9-9-8, but it pure village (halkabandi) schools it only costs Rs 6-3 0, which is almost the same as we found to be the cost of the missionary schools. In distinguishing between the expenditure borne by the State and that not so borne, the village schools are treated as of the latter class, although the payments are made direct from the Government treasury. The reason of this is that a coss equal to or greater than the allotment of finds for these schools is collected over and above the ordinary isnd revenue.

The classification adopted in the above statement is that used in former district notices, but it differs from the classification found in the annual educa tional reports where terms having reference to local position, as sila, tabili, and halkahandı, give place to high, middle and primary, which have regard only to status. The Government high (ziln) school is the only one that sends up candidates to the University entrance examination. The school-house was erected in 1868, on the model of the Barellly college, and its cost was defrayed in part by subscriptions. The middle English schools are the middle depart ment of the high school and the aided mission school at Albradabad tested by the results of the annual anglo-vernacular examination. There are ne middle guls schools. The middle vernacular schools embrace the upper departments of nil Government vernacular schools (tahaih, parganah and village), the oriental department formerly attached to the high school having been abolishedowing to absence of support from the classes for whose benefit it was opened. These middle vernneular schools are tested by what is called the middle-class vornacular examination, ancess in which has now become a condition of oh ining admission to the service of Government in most of its departments.

Referring to the poor figure Roblikhand schools cut in the published returns of 1880-81, the Inspector attributed this to the hankering after Persian (a subject which has no place in the examination), manifested by the boys of the division, who in consequence read the Urdn text books in n half hearted way, and only to the extent deemed barely necessary to pass the examination. The percentage of failness in Urdn is therefore large, while in Hindi, a language studied for its own sake and also (necording to the Inspector) more easily learnt, the percentage of failness is small. But the number taking np Hindi seems to have been so small (only 7 as against 145 examinces in Urdn) as to scarcely

1 Omitting indigenous (dart) schools of which no returns are smallable.

warrant any general deduction. The smallness of the number is accounted for by the fact that scarcely any Hindi schools of the middle class exist. Only the town schools attained any success, all seven village (halkabandi) schools of this class failing to pass candidates.

The total number of schools under the control of the committee consisted on 31st March, 1881 of 6 tahsfli (403 pupils), 2 parganah (111 pupils), 114 halkabandi (3,259 pupils), 1 town-fund at Sambhal (49 pupils), 6 halkabandi girls' (113 pupils), 8 municipal boys' (288 pupils), 3 girls' schools aided from municipal funds (56 pupils), and 1 anglo-vernacular boys' school at Amroha (75 pupils). The tahsfil schools are at Moradabad, Chandausi, Hasanpur, Amroha, Thákurdwára, and Sambhal, the parganah ones at Sirsi (in Sambhal tahsfl) and Kánt (in Amroha tahsfl) The only Sanskrit-teaching school in the district is a private one at Sambhal. The mission school at Moradabad (middle English) with its branch (lower primary) is aided by Government The Christian girls' boarding school, with a roll of 94 distributed into 9 classes, received high praise for efficiency at the annual inspection, and the other mission schools of the district, at Hasanpur and Sambhal, were declared to fully deserve their grants. At Sambhal the mission school has three departments, for English, Persian and Hindi.

The amount allotted for primary education in 1880-81 was Rs. 15,000, and for middle-class (tahsili and pargapah) Rs 2,478

Systematic education, so far as it exists, is a creation of British rule and its commencement dates back little more than a gene-State of education in In 1846-48 the first attempt was made to ration arrive at a statement of the means available for educating the people. From the returns furnished to Government by the then Collector of Moradabad, it appears 1 that there were 248 Arabic and Persian schools, educating 1,710 scholars at an average monthly cost for each school of Rs. 5-7-9, and 81 Sanskrit and Hindi schools educating 1,127 scholars at an average monthly cost for The town of Moradabad contained 64 Persian each school of Rs. 3-11-2 and 6 Hindi schools, and Amroha 45 Persian and 5 Hindi In the whole district 110 villages were retuined as containing schools of one kind or another. In comparing the nominal-ioll of schools existing in 1846-48 and in 1880-81, it must be borne in mind that the total for the latter year omits all indigenous schools, of which class alone the schools of the former years consisted 2

Thornton's Memoir, p 38

The number of Government and aided schools is returned as 34 in 1860-61 and 113 in 1870-71, and the number of pupils in them at 1,038 in the earlier and 4,13° in the later of those years. The total charges are stated at Rs 3,373 in 1860-61 and at Rs 29,009 in 1870-71. These figures may be compared with the Rs 39,037 which now appears to be annually spent on Government and aided schools, of which less than a third comes from Imperial revenues

The appended statement of receipts and charges for five ont of the past twenty years shows a great advance in the receipts. Post-office. dating from 1875 76, and accounted for chiefly by the sale of postage stamps, which appear not to have been included in the accounts for the earlier years --

	Песнры								Charges			
Year	Postage collections on losters, news- papers, &c., &c.	Mail cart and pas- songer service ool lordons	Ballook train col hectona,	Sale of ordinary portage stamps.	Sale of service post.	Petty receipts.	Total	Previdency and dis- tries offices.	Conveyance of mailt.	Miscellancous.	Bullock-train.	Total
1561-42	10,304		112			723	11 139	5 173	3,016	156	5.5	9,381
1565-66	14,617)			i i	81	14,55	0,594	4 661	578	ı ـ ا	10,833
18 0-71	14,518	l - 1	240		- 1	2]	14 750	9,804	14,591		1	24,395
15 5-76	14 906	1,2,7	8,134	11 627	3,415	71	34 410	16 601	14 455	[و	867	31,932
880-81	11,538	1	534	16,141	2,810	111	31 134	16 649	709	4	23	17,285

For a history of the establishment of the post-office in these provinces the reader is referred to Volume VIL (Agra) 1 It is sufficient to state here that the district contains 18 imperial and 10 district post-offices and to give a few statistics concerning them. These are situated at the following places -Datriet

> A m toba. Asmanli Rachbrion. B blok BillieL Chandensi. Gajrania. Chhallalt Dhananra. Hasanpur Scondára.

Lint Moradabad city Moradabad railway station. Naugaos SambbaL Thakurdwars.

Imperial

The following table gives the number of letters, parcels and other missives received2 at these offices during four years in the past two decades:-

							_	_				_				
		1843-64				15"0 1				1973-70				1999-01		
Pecetral	Lettore	Newspa-	Parecla.	Dooks	Letter.	Tour Se	Percela	Doote	T. City	H E E	Parecta	Dooks.	7 7,91)	Net A	17 18 18	4
Peccire!	183,437	12.40		7.2	1 200,110	12,5,5,5	1		1							

There is one Government telegraph-office at Moradabad, and railway telegraph-offices at the Moradabad, Bahjos, Bilári, and Telegraph. Chandaus stations.

¹ Page 507 of segg

¹ The registry of despatches was discontinued after 1870-71

POLICE. 91

The Moradabad district now contains 32 police-stations, which are dispolice.

tributed into first class 9, second class 4, third class 6, and fourth class 13. The first class stations, which have usually a sub-inspector, two head and a dozen foot constables, are at Moradabad, Thákurdwára, Amroha, Chhajlart, Bachhraon, Hasanpur, Sambhal, Asmauli, and Chandausi The complement of the second class stations, at Bilári, Balijoi, Seondára, and Mánpur, is as a rule one sub-inspector, two head and nine foot constables. The third class stations, at which are generally quartered two head and six foot constables, are at Mundha, Rehra, Moradabad, Tigri, Maináther, and Kundarkhi. The fourth class stations or outposts, whose quota consists of but one head and three foot constables, are at Kailsa, Sarái Tarín, Sherpur, Sayyid Nagli, Darhiál, Sihal. Moghalpur, Páekbara, Rajabpur, Gajraula, Jiwára, Sirsa Sarái, and Rajhera. From the thánas or stations of higher classes these fourth class stations are distinguished by the name of chauki.

All police-stations, of whatever class, are manned by the regular police, enrolled under Act V. of 1861. This force is assisted by the municipal and town police, recruited under Acts XV. of 1873 and XX. of 1856 respectively. In 1880 the three forces mustered together 953 men of all grades. There was thus one policeman to every 2.39 square miles and 1,177.79 inhabitants. The cost of the force was Rs. 97,858, of which Rs. 66,043 was debited to provincial revenues, and the remainder defrayed from municipal and other funds. The following statement shows for a series of years the principal offences committed and the results of police action therein.

Cases cognizable by to					by the	Value pe	of pro- rty	Cases			Persons				
Yea	ır	Murder	Dacoity	Robbery.	Burglary	Theft	Stolen	Recovered.	Total cognizable	Under ınquıry	Prosecuted to con-	Brought to trial	Convicted and com	Acquitted	Percentuge of con victions to per sons tried
			_				Rs	Rs					-04		0.0
1876	***	17	5	1 1	682	1,920	36,334	6,741	3,992	2,776	1,112	741	584	140	08
1877		14	9	19	848	2,576		8,860	5,603	4,061	1,921	1,791	1,273		86
1878		15	3	61	1,127	4,056			8,627	6,468	3,714	2,945	2,621	956	91
1879		12	8	32	692	2 429	43,777	7,367	7,120	4,075	1,782	1,331	1,105		83
1880		14		18	C63	1,771		9,094	5,914	3,345	1,426	816	723	86	89
1881		L.		23	605		35,757		5,309	2 867	1,110	7 26	560	120	82

1This station has eight additional constables attached to it

"The police-stations of
Mundha and Rehra have three additional constables attached to each of them, and Kaisa (outpost)
has also an additional constable

"These are the figures given in the administration report
for 1880-51 By the "allocation statement" corrected to February, 1882, the regular police force
consisted of 17 sub inspectors, 87 head constables, 474 foot constables, total 578 The exact number of municipal and town police entertained at the same time (February, 1882) cannot be given

Excluding sanitary offences 5,752 orimss were reported in 1880, being 49 (or excluding also hurt cases, 88), to every 10,000 of the inhabitants, thereby entiting the district to rank twelfth in the list of 49 districts in the united provinces (North Western Provinces and Ondh). It was necessive providence of that year for the excessive providence of the following orimes —uttering spinious coin, rioting, homioide, rape, grievous hurt, robbery, mail robbery, and theft.

The percentage of convictions to cases reported in 1880 for the commoner crimes is shown below —

				Reported	Prosecuted to conviction.	Percentage of consistions to cases reported.
Burglaries	#	•••		653	98	14-32
Thefts	#	•••		1771	445	25 12
Cattle thefts	#	••		819	14	4

The orime of mischief to cattle is more prevalent here than in any district, except those of the Benares division, the average number of cases for the past five years being 25 as compared with the provincial inverage 9

Besides the police already mentioned, there were 2,215 village and 58

Village and road watch
men vill

habited villages in the proportion of 1 to every 401 inhabitants and ut u sanotioned cost of Rs 82,176 met out of the ten per cent. ccss.

Measures for the repression of female child murder were in operation in

1860 with respect to 49 villages, inhabited by the

class and with the girl percentage shown below —

		4.	arrange of gr
6 by Katchrin Bajputs	-	les,	35 77
2 Bargfjar do.			44-89
4 Jata (Deawalo)	***	beg	80-72
23 Játa (Pacháde)		***	35-23
14 Abares	-	•••	29-8

Of these clans the one most violently suspected is that of the Abars The special establishment entertained to repress the crime consists of one head constable on Rs. 20, one head-constable on Rs. 15, and a watchman on Rs. 8; total Rs. 38 per mensem.

¹ Modified by Act VIL of 1816. This is the number according to the polles report. The recent censu (1861) gives only 3,445 towns and villages in the district. I wood these (one Ahar saed one hatchris Risjon) have since been exempted, so the number of villages in 1641 was 47 And Abirs.

Convicts imprisoned through the agency of the police just described are sent to the central prison at Barelly or to the district jail at Moradabad itself. The principal statistics for

1880 are given below:-1

convicts	the year	ig the	hospital				ONVIOTE EOFMBE	number of	cost per head strength	y cost per head ge strength.		
ibor of 1e year during		ged during	d into the year		Hin	dus	Musalmáns				daily nu	L w
Total nud during	Admitted	Discharg year*	Admitted during t	Deaths	Male	Female,	Male.	Female	Total	Average convicts	Total yearly of average	Net yearly of average
2,194	1,798	1,810	445	16	241	4	136	3	384	420 75	Rs a p 37 4 44	38

Of the total number of prisoners received during the year, 106 (one female), principally debtors, had been imprisoned by order of the civil courts parison of the number of admissions with the total number of prisoners during the year will show that 396 of the latter had remained in Jail since former Of the jail population on 31st December, 1880, 355 (5 females) are entered as between 16 and 40, 25 (2 females) as between 40 and 60, and 4 (males) as above the latter age The greater part of the average yearly expenditure on each prisoner consisted in the cost of his rations (Rs 17-0-5) remainder was made up of his shares in the expenditure on establishment (Rs 11-4-6), clothing (Rs 2-1-41), police-guards (Rs 2-6-6), hospital charges (Rs. 1-3-103), and contingencies (Rs 3-3-81). The average number of effective workers employed in each class of work was as follows :- 5 45 as prison officers, 70 77 as prison servants, 30 54 in gardening, 51 81 in preparing articles for use and consumption in the jail, 39 02 in jail repairs, 33 91 in additions and alterations to jail buildings, and 136.50 in manufactures. The ratio per cent. of prison officers was 148, of prison servants 19.23, and of those employed in manufactures 37 09. The previous occupation of the prisoners was in few cases such as to fit them for profitable work in prison, the majority having been as follows -men of independent property or no occupation and Government or domestic servants 50, professional men 55, and agriculturists 197. Of non-agriculturists, or miscellaneous persons, which is presumed to include shopkeepers, there were only 75.

¹ From the Annual Report of the condition and management of the Jails in the North-Western Provinces and Oudh for 1880 81

The lock up (haraldt) for under trial prisoners is at Moradabad a division of the jail. It had during the same year (1880) 1,086 different occupants, of whom 575 were afterwards transferred as convicts to the jall proper, and the average daily number of its inmates was 41.75

Before proceeding to the next head, the fiscal history of the district, it will present area, revenue and rent. be convenient to give details of the area, revenue and rent for the district at the present time (1882) and by prefixing these statistics to the head just montioned, comparison, so far at least as it is possible, between the present and past conditions of the district, will be facilitated. The district is still a temporarily-settled one amount taken as land revenus is fixed for a term of years. The current settlement has not yet been formally sanctioned by Government, but its term will probably be thirty years dating from 1879-80, when the last revised assessments (those of Hasanpur) were declared

The total area according to a statement supplied by the Collector' was 2,288 5 square miles, of which 1,569 4 were cultivated, 5262 entirable, and 187 9 barren. The area paying Government revenue or quit-rent was 1888 3 square miles (1,291 2 cultivated, 438 8 cultivable, 158 8 barren). The amount of payment to Government, whether land revenue or quit rent (including, where such exist, water advantage, but not water rates) was Rs. 14,64,015 or, with local rates and cesses, Rs. 16,61,487. The amount of rent, including local cesses, paid by cultivators was Rs. 84 99,356

At the commencement of Part I of this notices o sketch was given of the changes in the constitution of this district from the cession in 1801 to the present time. We have now to stote as concisely as possible its fiscal history during the same period, and it will be only necessary to deal with the area which is at present incleded in Moradabad, the portions which have from time to time been taken away to form other districts being dealt with in the notices of the districts where they are now found

The great landmark in the fiscal history of the temporarily settled districts of these Proclines during British occupation is Regulation IX. of 1833, under which the penultimete (ninth) settlement of the district was made in 1810-48 Some account of its improved methods over its short term predecessors has been given in the Shihipahanpur notice; and it is only necessary here to romind the reader that it was the first in which un attempt was made to procure an accurate survey of lands, a precue record of the various rights existing in the seil, and in the cetass report of 1831 which are necessarily for an eather year.

a regular determination of standard rent and revenue rates. All preceding settlements had been conducted summarily, and, imperfect as the performance may have been of the programme laid down in Regulation IX. of 1833, its great superiority over previous settlements has been confirmed by experience.

Of the earlier settlements little more than the bare statements of demand

Brief review of early have come down to us. The summary of their history settlements

given in the settlement report is not too long perhaps to be quoted:—

"The first settlement seems to have been made in 1803 for three years, probably, as else-

where, on the system of lease to the highest bidder First settlement (1893-6) available regarding it except that it was not very successful, as in 1863 a severe searcity affected the district, and before the people had recovered from this. another calamlty fell on them in the shape of the freebooter Amir Khan (or Mir Khan as he is commonly called) He was born at Tarina Sarái in Sambhal, and having an accurate knowledge of the neighbourhood, brought his band of freebooters, who are said to have numbered 10,000 horsemen, into the district, and after plundering Sambhal moved on in a leisurely manner towards Barcilly—this was in the beginning of 1806—and hearing that an English force had just marched up to Barcilly, he turned and made for Moradabad instead. Inroad of Mir Khán There, however, he was unexpectedly kept at bay by the handful of English residents assisted by some barkandaz and sawars, and hearing that the Barcilly force was coming on to Moradábád, he retired, crossed the Ganges, and made off to join the Marhattas. In a letter, dated 24th September, 1805, to the President of the Board of Revenue, the Collector of Moradibad relates how, heavy arrears having accrued in 1804 (owing to the failure of rain both in 1803 and 1804), the irruption of Wir Khan's Horse in 1805 threw tho whole country into utter confusion and rendered it necessary to employ a military force to collect the revenue. He adds that, incredible though it might seem, Mir Khan had in the 29 days he was in the district

"In 1806 another triencial settlement was made, and the Collector, in a letter dated

4th November, informs the Board that he has had careful enquiries instituted, and as far as possible made the settlement with the real proprietors. Up to this time the district seems to have included, besides its present area, the district of Bijner and a large portion of Budaun and a part of Rampur and Barcilly. But at the commencement of 1806, the Budaun parganahs lying in the extreme south-east were transferred to Barcilly, to which Aonla is still attached. The new settlement seems to have worked fairly, but in this district, as in almost every other at the introduction of our rule, the law of sale seems to have done great injustice and ruined many of the zamindars, who fell victims to the sharp practices of the court underlings

visited and plundered almost every village of any size, and he winds up by asking for a suspen-

sion of no less than 61 lákhs

"In 1809 a settlement was made for four years, which seems to have been chiefly remarkable as the commencement of the enquiry into revenue-free tenures, which proved such a troublesome piece of work to complete Attention seems to have been paid to agricultural improvements, a large sum being advanced in 1812 to extend the cultivation of sngarcane 1

Advances seem to have been made with a liberality which is unknown now, large same, amounting in some cases to as much as a lakh, being spent in encouraging sugarcanc cultivation or in purchasing seed and cattle for distressed cultivators

" In 1818 a further settlement was made for five years, and the annals of the district for several years are made up of nothing more exciting than decisions Fourth settlement (1813-18). on claims to hold revenue-free, orders for farm or sale of estates. Extended to 1833. and praises of the tahalidars who got the revenue in promptly The

quinquennial settlement was extended for five years more in 1818, but before this to m elepsed the district was reduced in size.

The extension of the quinquennial settlement referred to in the last para

Further extensions to 1843, making the fifth to eighth settlements.

graph of the passage just quoted was only the first of a series of extensions that lasted until the thirty years settlement under Regulation IX, of 1883 was

This was not completed until 1843, and in the official report is called effected the ninth settlement, the fifth to the eighth inclusive being merely extensions of the fourth as just stated. The only or cumstance of interest recorded regarding these extensions is that " the work of enquiry into the tennres of the district and especially into claims to hold revenue-free went on steadily

The ninth settlement began in 1840 under Mr. Dick in Thakurdwara and was completed by Mr Money in 1848, as just Ninth settlement in 1848-43 for thirty years, mentioned

Results of all the settle

ments compared.

It will be convenient here to show in tabular form the results of these settlements, and those of the current (or tenth) sattlement are added for the purpose of comparison -

1.		,	2.	1	6.	a	,	0.		10.	12.
		100	Passer		100	political political de la contraction de la cont	S S S S S S S S S S S S S S S S S S S	2	Інстева,		town of the state
Name of page.	r	t at fire 1603 to	11 11	3	Tanana Tanana Tanana	के प्राचीता के प्राचीता	benand ben ed	at of the	4		649
terry.		ament 1	100	ne to 1	4	694	tood (tenth)	t()eme	Į,	On column	a Ha
		13	4=	<u> </u>		A PE	1000	1,	Ē	Ĕ	¥28
		Re.	Ra.	324	Ra.	Ea.	Ra.	Ra.	Ra	Ra	Be an
Moradabad Thikurdwara	-	61,250 1 73,223	\$9,978 1,37,201	1 01 551	1.77.707	1,81 490 1 80,800	1,81,922	3,80,739 1,82,078	78,239 1,375	87 451 118	7,7
Bilári Bembhal	-	1 95,113	2.07.0 1	2,18,874	1,74,507 2,74,017	3,31,000	2,47,050	3,38,967 8,91,016	1,17,001 81,898	91,937 91,001	2 2 10
Amroha Hampur		83,871 78,973	\$6,29) 10,500	51.877	\$4,314 1 40,634	1,04,115 1,94,133	1,61,850	1,15,827	6,721 2,130	15 370 1,113	1 12 7
Total	_	7 71,703	7,50,177	7,95,096	UUTI	11,61 414	12,01 446	14,30,695	2,79,274	2,29,230	1 13 4

Of the mothods adopted for assessing and realising the revenue in the Early systems of assess- early settlements we learn something from the settlement reports." When we first assumed government ment.

ir., average of the last five years (1838-1812) of the series of quinquennial settlements.
'In the minth settlement several villages were broughtin from Bijton which account for part of the locresso.

See Chapter IX. of M. Alexander's report (18.1) and Mr. Money's report (1843) passure. Cf Smith's Settlement Officers Manual, Chapter III.

we were almost completely in the dark, not merely as to the individual right of the different persons we had to deal with, but as to the very nature of the rights considered in the abstract. Fortunately the facility with which our ignorance might be converted to their own profit was not immediately recognised by the unscrupulous members of our native staff, and by the time they appreciated it the opportunity had to a great extent passed. Fortunately, too, in most of the parganahs the landowners had a sufficiently strong hand to hold their own, and it was not, therefore, worth while for a needy grasping speculator to take up the farms which we seem to have offered so freely. Nothing perhaps could help us to realise more clearly the progress which has been made since those days than a perusal of the accounts existing in the office of the Board of Revenue of our procedure all over the ceded districts of the North-West during the first ten years of our rule.

The first system seems to have been to ignore all rights and farm to the highest bidder, and from the report of the Revenue Commissioners in 1820 it seems that more than two-thirds of the revenue imposed in the triennial settlement was realized from farmers The quartennial settlement seems to have been the first in which we began to recognise the right of proprietorship which has since developed to so great an extent. Even then, all we recognised was a kind of right of refusal, which, owing to the extreme severity of our laws of sale, was not unfrequently fatal to the zamindar who claimed it. During farm the zamindar was temporarily obscured and very often was put to desperate traits to satisfy the farmer; but the periods being short, if he was a man of any real position he re-emerged at its close. Once sold up, on the contrary, all his rights were gone at a swoop, and there can be no doubt but that several estates were acquired by the amlah of our offices in the most flaudulent and unjust manner under the cover of our sale laws The very large area of revenue-free land and their own strength did a good deal to protect the wealthier Muhammadan zamindárs, but the petty men, like the Tagas of Hasanpur and the Thákurs in Moradabad and Thákurdwára, suffered severely. quinquennial settlement was more carefully made. The Board's attention had been directed to the abuses of the sale law and to the claims of the zamindárs, and the result was that more than half of the revenue was settled for with the latter and the farms were greatly cut down. The extension of the term of this assessment, by which it lasted thirty years, did great good by preventing the competition and irritation consequent on a new settlement, the evils of which were plainly seen in parganah Thákurdwára.

¹ See Gaz, VI, 383 (Gorakhpur).

98 MORADABAD

Of the last named tract (Thakurdwara) Mr. Crosthwaite writes —

While other parganals enjoyed the benefits of the several regulations which extended the term of the quinquential settlement, this parganals was subject to continual revisions. Each revision brought its increase. It was held that the tenure of the mutaddams and other migrater was only a farming tenure. The farmers were not thought describe of any moderation in the demand, and the fact that the money must erantially be wring out of the cultivators does not seem to have occurred to the revenue authorities. It indicates were pitted against talkides and farmers against wakeddams and the demand was literally fixed by competition.

"The consequence of over-assessment had just begun to appear when the high prices of produce, caused by the failure of crops in most parts of the country in 1233 and 1734, enhanced enormously the assets of this scaled, in which the failure was less fails. On this followed the settlement of 1235 fail. Deceived by the profits of the preceding two years and urged on by the lamentable system of putting up the villages to anotion and setting up edventures to bid, the unfortunate m kaddsess were induced to agree to terms which they could never discharge. The damand was enforced for two years; the unfortunate people were utterly ruined, everything of property that they possessed was distrained and sold and while they were appealing for justice that rillages became worse by neglect. A few succeeded in obtaining from the Board of Revenue a remission of the increase, but not those who most deserved it; and many whose villages were in reality not over-ass send followed the example of appealing, and by neglect or design their rillages soon become fine as bad e condition as those of their neighbours."

A long list of balances of land revenue is added to show with what Irregularity the revenue was collected. "With our present knowledge of the country," writes Mr. Alexander in his review of this part of the subject," and with the well-defined tenures we now recognise, such mistakes seem stupid and extraordinary. It is, however, necessary to remember that the clear definition of the different proprietary titles has been a slow piece of work." Regulation VII. of 1822 should have put in end to the system of farming, but unfortunately it was too perfect to be worked, and it was not till Regulation IX. of 1833 simplified and relaxed its provisions that the regular revision contomplated could be made. This is the reason why the quinquantial settlement was so often extended, and it was only in 1841 that the long-expected revision took place.

place.

Preparatory to the settlement under Regulation IX. of 1833, the district had been surveyed between 1831 and 1836, and a very full and exhaustive inquiry had been made with respect to all the revenue-free tonures above 10 bighas pakka, or roughly 6 acres, in extent. They consisted largely of the grants made to the Saiyids of Amroha, though there were a few more recent ones which had fallon to some of the Robillas shortly hefere the cession of the district, and there were also the numerous plots scattered over the district assigned to various shrines, mosques, and sunitar buildings.

Special officers were deputed from 1837 to 1811, with

the title of Commissioners of Muáfi, to enquire into the validity of the rights claimed, and their proceedings were submitted for sanction to the Board of Revenue, most of whose olders bear date between 1840 and 1843.

The former settlements had all been made without survey and without any accurate idea of the area or natural value of the land settled. They were based on the figures of previous demands and on the estimates (daul) of kánúngos and other native officials, checked by a very hasty supervision on the part of the European officer who made the assessment. In the new settlement an attempt was made to obtain accurate areas. The district had already been trigonometrically surveyed and the total areas of the different villages were known. Amins were now deputed to make out field maps, giving the cultivated area in detail, but the value of their work may be judged from what Mr. Smeaton says of the whole system:—

Mr Money's settlement sary to consider in detail the system adopted from survey to final

"In one-half of the district, including parganalis Moradabad, Bilari, part of Sambhal, and Kashipur, the survey had been conducted on the old plan, under which the detailed survey included only lands under cultivation or lately abandoned and the waste lands were surveyed professionally. The amount of waste land being deducted from the total area by the professional survey, the amount of cultivation and lately abandoned land was obtained. Mr. Money had pinned his faith to these returns, but found himself wofully deceived

"In the other half of the district, jucluding part of Sambhal, Hasanpur, and Amroha, the survey was made, 'under the new system of dispensing with what may be called the interior professional sprvey, with an azimuth compass and perambulator, of the total cultivated and total uncultivated lands of each village. That survey, when properly conducted, was an effective check on the detailed field measurements which were made by the amins. The amins felt when it was abolished that there was no check upon them. * * The great extent to which bribes were taken in that (detailed survey) department was a matter of too great notoriety to admit of any donbt. The system that was said to be pursued was variable. Sometimes the amins were paid a fixed snm monthly, sometimes allowed to make what they could by bribery; sometimes they received a percentage. There were instances in which only about one-fourth of the land under enlivation was surveyed as cultivated. I had the survey returns corrected, but it was not to be expected that a correct return could be formed on such a basis, and the actual amount of cultivated land in the parganah is therefore unknown."

"To begin with, then, the foundation of the settlement was undermined. The areas upon which the settlement officer had to operate were virtually unknown, approximation was rendered difficult, if not impossible, by the variety of modes in which the figures had been doctored, so that, in effect, the primary data for assessment were purely conjectural."

In fixing soil classes the same want of time, and of a sufficiently reliable subordinate staff, occasioned similar injury. In parganah Bilári, for instance, Mr. Money found that the *khasras* were false, their preparation having been

¹ Some of the difficulties arising out of these musificlaims are dealt with in a memorandum of 12th February, 1851, printed in Mr. Thomason's Despatches, II, 105

a matter of private arrangement between the tahsildar on deputation and the samindars. When the discovery was made, the assessments were on the ero of being framed, so there was no time for thorough revision, and all Mr Money could do was to send his deputy collector to one part of the parganah and ride over the rest himself, taking rough notes as to the extent to which he thought the soils had been mis-stated.

It is perhaps unnecessary here to reproduce Mr Alexander's ortical

Character of the settlement of 1842.

The method of arriving at rentals and soil rates. The
judgment passed by Mr Smeaton is sufficiently trenchant.—

" It would be difficult to imagine a sostiment conducted on such principles now-a-days.

Allowance must of course be made for the baste which seems to have been indisted on. But even after every plea is urged, I think it must be admitted that from beginning to end the pro-

coedings were of the most haphazard character and the method bad.

"The real settlement officers of the district were the kindingos. Their deals' decided the assessments retrievely. The area statements, rillage and soil dissettlemtons, rent statistics, even but they been securate, would have had no real influence on the ultimate result. As it was the areas were false, the soil and rent statistics were obtained second band, and the village cloself cations were made on a principle which is obviously uncomed and misleading."

Despite its many defects, however, the settlement appears, except in Thakur-dwars, to have worked fairly well; that it was tolerably light towards its close is evident from the enhancement which the revised assessments exhibit.

Parganah Thákurdwára, as already stated, was separately settled by Mr Dick in 1840. He is regarded as having had a more reliable hasis to work upon, going on his own knowledge of the expabilities and rentals of each village, while Mr Money had to rely on native subordinates. The unsatisfactory working of Mr Dick's assessments is attributed not to their unfairness but to the previous heavy indebtedness of the landholdors.

Easiness of the settlement proved.

In proof of the easiness of the ninth settlement ment proved.

Mr Alexander cutes the following facts —

w Setting saids the that management of 137 villages in Thikurdwira between 1860 and 1863, the coercive processes found necessary to get in the fame by the small resort to were vary few indeed. In Blift not one, in Sambhal only 6 coercion

coercions

maids out of 70s in Auroha only 4 out of 21s, fo Moradabad
lo out of 47s and in Hazangur 27 out of over 1,000 had to be farmed, and in two cases sold.

Both Mr. Crosthwalte and Mr. Smeaton clearly state that there is abundant cridence that the
jamus is all these pargusabs were easily collected.

"The very marked that in the value of property during the term of actifement is also pretty clear proof of this. Taking private sale as the gauge it appears to be as follows:

value of land. 10 00 as longers 1. Down in Hindi for the estimate of assets made for the purposes of assessment. Carneys a RacA Train. Mr. H. S. Reid's note.

			Price per acre								
	Parganah.		1st decade	3rd decade,	Average for 30 years						
				Rs a. p	Rв a р	Rs a. p.					
Thakurdwara	• •	•••		5 12 O	15 0 0	7 11 4					
Moradabad	•••	•••		4 10 5	13 5 4	926					
Bilári	•••	***		9 10 10	17 14 6	13 5 2					
Sambhal	•••	•••		5 11 1	12 7 10	8 12 9					
Hasanpur	***	•••		5 7 8	15 G 5	9 12 10					

[&]quot;The prices at which musif sold were, on an average, rather more than twice these of the khalsa, and have not increased quite so much during the same term. The areas dealt with are, however, too small to base any sound induction on. It is worth noticing that in all the parganahs the increase in value has chiefly occurred during the last ten years preceding the new settlement.

"On the other hand must be noted the very large extent of the transfers that have occurred during the same term. Setting aside revenue-free land, the preportion transferred in the different purganals since settlement seems to have been as follows.—

Thákurdwára, twe-thirds.

Sambhal, about half

Moradabad, two-fifths Bilári, rather over half Amrola, not known accurately, but about one-third

Hasanpur, two fifths.

And from the authorities above quoted I gather that transfers have been more frequent than ever during the last ten years before settlement"

Moradabad is one of the first districts in which the cadastral survey, by Current or tenth settle— the revenue surveyor, was substituted for the field ment.

Survey, made under the supervision of the settlement officer. The cadastral survey commenced in 1870, and settlement operations in 1872. Details of the progress of the work are given in Mr Alexander's ninth chapter. The settlement was commenced by Mr. C. H. T. Crosthwaite, carried on from 1876 to 1879 by Mr. Donald M. Smeaton, and completed by Mr. E. B. Alexander in 1880. The cost of survey and of settlement are calculated by Mr. Alexander at $4\frac{1}{2}$ lákhs and 9 lákhs respectively, the total cost being, in round numbers, $13\frac{1}{2}$ lákhs.

In the thirteenth chapter of his report, Mr Alexander describes the method of calculating soil rates and the mode of assessment of the revenue demand. The average rates for each primary soil in each parganah, excluding special classes like gauhán rechincelly called 'assumed rent-rates'

and suburban, that were ultimately arrived at, are (togother with the estimated cultivated area) shown below --

	Danted L		Dim	at II	Val	y & I Nether II.		20,4	7 J	25 kg 12		
Parganah.	Àres.	Rate.	Area.	Rato.	Area.	Plate	âlys.	Rata	Area.	Rate,	àres.	Rate
		Ra p		hgs b	-	Beap	_	Raap.	_	Ba, a, p.	_	Be a p
Norsdabed	23,830	4 14 3	23,310	3 10 8	23,473	402	14,927	306	8,173	3 6 0	633	100
Thikurdwire,	36,487	4 2 0	17,318		12,021	4 7 8	28,04	3 2 0	8,572	3 4 0	\$77	176
Billeri	F3,267		49,318	2 13 2	6,787	4 0 9	4,800	3 3 0	25,136	8 18 10	4,817	100
Sambhal	85,787	4 13 9	81,782	3 6 0	10,760	4 7 0	1,900	2 18 6	87,810	1 15 6	क धार्	1 8 0
A≡roha	10,100	4 8 1	67,516	8 5 1	8,046	4 7 6	13,904	2 12 10	23,512	1 13 11	2,112	1 3 3
Hasanpur .	40,417	4 1 0	45,531	2 7 0	8,646	3 0 9	5,336	1 13 d	44,121	176	20,747	0 13 10
					ļ.—							
Total	237,700	411 7	173,603	3 3 2	10,233	4 7 1	10,313	3 15 1	121 153	113 9	40,478	1 1 0

The areas include revenue-free land, the whole total agreeing with the total cultivation of the district at the time of measurement, but differing from that now shown, for the reasons already stated.

The revenue demand (Rs 14,30,688) was fixed at Rs. 5,827 less than thosum

The assessment compared with the remainded officer remarks that the difference is too small to need much comment, and that it depends on the special circumstances of many

estates. The morease on the original demand of the penulimnite settlement, was Rs. 2,79,274, and on the demand at its close,

Causes of increase in the revenue-demand. Hs. 2,29,220 The causes assigned for the increase area, (3) and the rise in prices of agricultural produce, coupled with the increased value of land. To the last of these we have already alluded and the two former may be considered together

The increase in the total area is estimated at 27,969 acres, and at 220,809 (=798,991-573,182) in the cultivated, (a) revenue-free, (b) barren, (c) old waste and groves show a decrease of (a) 47,651, (b) 101,751, and (c) 66,760 nores, while the area of "new fallow has risen by 23,825 (=78 138-51,813) nores. But the settlement efficer points out that "a considerable portion of the increase shown under outlivation is only a paper one, being brought out by the more accurate record of the cultivated area. At the same time he thinks that

Real increase in cultiva-

the real increase in cultivation may be estimated at about 25 per cent, while the increase in the revenue

demand is only 19 per cent. It may be assumed that the land more recently brought under cultivation is of inferior quality than that cultivated at the penultimate settlement, when, moreover, the revenue was assessed at two-thirds of the rental assets, in place of one-half under present rules. On the other hand, the prices of the better part of the agricultural produce have risen by about 60 per cent; while, including enhancements of rent made in the present settlement, cash ients show an increase of probably at least 35 per cent.

The incidence of the revenue, excluding nazrána, has fallen from Rs 2-0-1

Incidence of revenue, to 1-13-4 on the cultivated area. This incidence may be compared with other districts of Rohilkhand and in Bulandshahr.—

					Incidence of revenue (without cesses) on cultivated area at time of settlement
Bijnor Bareillyl (including Bísalpur) Moradabad Sháhjahanpur Bulandshahr Pilibhít (excluding Bísalpur)	•••	·· ·· · · · · · · · · · · · · · · · ·	**** *** * * * *	*** *** ***	Rs a p 1 15 2 1 14 1 1 13 4 1 9 7 1 9 4 1 8 9

The incidence for each tahsil has been shown in the tabular statement above.² The lowest rate is in Hasanpur (Rs. 1-3-6) and the highest in Moradabad (Rs. 2-7-8). The reasons for the differences are given at length in the rent-rate reports and have reference to the different capacities of the tahsils as regards the payment of rent.

The dates of the land-revenue instalments were fixed mainly on the prinDates for instalments ciple that the cultivators and proprietors should have
how fixed time to get in their harvests before the rent and revenue
become due Owing to the extent of the area, in parts of the district, over which
grain rents prevail, the kharif instalments of these rents were deferred to December or January in place of November, and the rabi instalment was moved on from
May to June In parganalis Sambhal and Hasanpur, the presence of Indiancorn and rice necessitated one early kharif instalment. Special kists (February
and April) were fixed for Hasanpur, with reference to the sawai income

¹ Mr Alexander in his report, and Mr H S Reid in his note, state the Bareilly rate at Rs. 2 1-1 This is evidently taken from page 178 of Mr Moens's Settlement Report (Bareilly), but is the rate at 55 per cent., while that at 50 per cent., which is the one to be taken for purposes of comparison, is as stated in the text In Mr. Stack's memo. It is given as Rs 1-15-1, probably by a clérical error.

2 Supra p 96

104 HORADABAD

derived from the sale of thatching grass and of grazing fees in the alluvial (Ganges) tract; while the May instalment in the same parganah was specially suited to the low-lying villages affected by inundation from the Ganges, in which the mesone from the kharif crops was very inconsiderable. In sugar cane-growing villages a special two times instalment is fixed for Mirch.

The peculiar feature of the Moradabad district from a revenue point of Peculiar teature; sometas payments. on revenue-free (madi) estates. But we may conveniently reserve further remarks on this till we come to the subject of proprietry tenures, merely stating here that the total demand on this account amounted to Rs 25,581

The last revised assessments, those of the Hasanpur tahail, were declared

Period of new settlement. in 1879-80 The formal approval of Government has
not yet (1882) been accorded to them, but when this
has been done they will probably be asnotioned for thirty years from that year

The following statement, compiled from the yearly reports of the Board of Revenue, gives the official account of the land revenue collections and balancer for the past eight years —

		1			PARI	100141	S OF BAL	NOM.	नियं
			1	ļ		Rest.		1	18 19
Year	Year Demand.		Collec- tions.	Balances	In train of Bandaction.	In trafa of Iquidation, Doubtful,		Rominal.	Percentage of re-
		Rs.	Ra.	Ra,	Ra.	Be.	Rs	Ra.	
1876-74	***	12,23,418	12,10,917	2,501		- 1		2,501	***
1874-75		12,22,004	12,20 103	1,811	35			1773	***
1875-78	***	12,77,975	12,78 420	858			- 1	858	
1876-77		18,63 401	13,62,010	1 891	85B	144		833	*04
1877 78		14,59,131	14 15,545	17,585	11749	144		1,837	-82
1878-79		14,13 409	14,21,272	0 137	1,018		3,783	4 033	34
18 9-80		14 84,83	14,05 441	25,416	1 337	631	e	26,928	34
1840-81	***	14,48,257	14 21,524	28 433	1 482	***		21,951	1

The large nominal balances in the last two years are explained as "due to diluvion, revision of assessment, &c, to be written off the accounts"

The necounts of the 2,925 villages of the Moradabad district are kept by Palváris and ks 807 village necommants (paindri) and 18 assistants, overnances. looked by 18 supervisor kinninges. There are in addition seven registrar kinninges. The patternices, which in the year of settlement. This was the number at the time of settlement.

amounted to Rs 94,515, has been recently abolished, and the expense of their entertainment will in future be paid out of ordinary revenue

The number of estates (mahál) in each tahsíl of the Moradabad district was as shown below in April, 1882, but by the operation of the partition clauses of the revenue law (Act XIX. of 1873), their number constantly tends to increase.

Name	Name of tahsil.			Name o	of tahsil.	Number of estates	
Moradabad Sambhal Bilári Amroha	es 431 401	•••	535 1,010 844 881	Hasanpuı Thükurdwara	 Total	•••	1,122 616 5,008

The final settlement report merely mentions that the bulk of the district is held in zamindárí tenuie without giving an analysis of tenures, for which we must go to the rent-rate reports of each talisíl.

In Thákurdwára 306 estates were zamindari, 19 pattidári, 92 imperfect pattidári and 2 bhaiáchára In 10 estates there were no In Thakurdwara. proprietary lights, the engagements for the Government revenue being apparently made direct with the cultivators. There were also 41 revenue-free estates in sole possession of the muáfidárs, and 19 in which the muáfidárs recognized the right of the zamíndárs by paying a little of the profits. Mr. Crosthwaite remarks that proprietary right may be said to have had no existence in this parganah prior to the settlement made under Regulation IX. of 1833. Previous to the cession the whole parganali was held as a taluka (manor²) by a Thákur family settled at Farídnagar. During the changes that preceded our rule they were deprived of it and a claim to the zamindári, set up subsequent to the cession on the part of some persons who called themselves adopted sons of the last raja, was dismissed by the Civil Court Certain persons styled headmen (mukaddam) were recognized as proprietors at the settlement under Regulation IX of 1833, the tenuie thus oreated being one of pure zamindári, where the co-sharers divide the produce according to their recorded shares.

In Moradabad all the estates were zamindári, except 5 pattidári and 79

imperfect pattidári. The bhaidchára tenure is here unknown. The present zamindárs were created mostly out of a class called here padhán or pardhán, which means a headman and is synonymous with mukaddam. There were no zamindárs under the Rohilla rule, and what is now done by the zamindárs was done entirely by the village if From 1st April, 1882, under Act XIII of 1882

Taluka is a word of many meanings (vide Carnegy's Kachahri Technicalities), but is here apparently used with the one given.

red from the sale of thatching grass and of grazing fees in the allivial inges) truot while the May instalment in the same parganah was specially at to the low lying villages affected by inundation from the Ganges, in the the income from the tharf oreps was very inconsiderable. In sugar—growing villages a special two tasts instalment is fixed for March.

The peculiar feature of the Moradabad district from a revenue point of cultar feature; new day on revenue-free (mudit) estates. But we may con-

ently reserve further remarks on this till we come to the subject of proprietenures, merely stating here that the total demand on this account unted to Rs 25.581

The last revised assessments, these of the Hasanpur tahell, were declared eriod of new settlein 1879-80 The formal approval of Government has not yet (1882) been accorded to them, but when this

been done they will probably be sanctioned for thirty years from that year

The following statement, compiled from the yearly reports of the Board of
Revenue, gives the official account of the land revenue

collections and balance, for the past eight years -

		1	1		PART	ICO LA B	TAS TO E	ROLL.	12.0
		!	l	1		Rest		ī	
Year		Demand.	Colleg- tlans,	Balance	In train of Hquidation,	Doubtful,	Irreoreable.	Nominal,	Percentage of beimpe on de
		Re,	Re	Rs.	Ra	Rs.	R	Ra.	
173-74	***	12 23,418	12,70,917	2,501		l I	١	9,501	
1 4-75	-	19,22,004	12,20 163	1 611	36	- 1		1778	***
174-78	***	12,77 278	12, 8 420	558		l i	ا	858	-
676-77		16 63,401	13 62,010	1 591	838	i		833	404
177 78		14,29 [3]	14 15,545	16,586	11749			1 837]	*82
I 8-79		14,81 400	14,31,272	9 137	1,316		5 788	4,633	3.6
9 80	-	14 54,35	14 05 441	28,495	1,537	631		26,928	14
180-81		I4 48,257	14,11,824	26 433	1411	1		24,851	1

The large nominal balances in the last two years are explained as "due diluvion, revision of assessment, &e, to be written off the accounts !

The accounts of the 2,925 villages of the Moradabad district are kept by retwarts and he 807 village accountants (paterier) and 18 assistants, over1504. looked by 18 supervisor kinnings. There are in addition ten registrar kinnings. The paterier cers, which in the year of sottlement

ven registrar Almingos The patiedri cess, which in the year of settlement

1 Beard's Revenue Administration Report for 1831

2 This was the number at the
col settlement.

amounted to Rs. 94,515, has been recently abolished, and the expense of their entertainment will in future be paid out of ordinary revenue.

The number of estates (mahál) in each tahsíl of the Moradabad district was as shown below in April, 1882, but by the operation of the partition clauses of the revenue law (Act XIX. of 1873), their number constantly tends to increase.

Name of tabsil			Number of estates	Name of tahsil.		Number of estates	
Moradabad Sambhal Bilári	ce \ **	•••	535 1,010 844	Hasanpui Thákurdwára	•••	1,122 616	
Amroha	***		881	Total	1	5,008	

The final settlement report merely mentions that the bulk of the district is held in zamindárí tenure without giving an analysis of tenures, for which we must go to the rent-rate reports of each talisil.

In Thákurdwáia 306 estates were zamíndári, 19 pattidári, 92 imperfect pattidári and 2 bhaiáchára In 10 estates there were no In Thákurdwára. proprietary rights, the engagements for the Government revenue being apparently made direct with the cultivators. There were also 41 revenue-free estates in sole possession of the muáfidáis, and 19 in which the muáfidárs recognized the right of the zamíndárs by paying a little of the profits. Mr. Crosthwaite remarks that propiletaly right may be said to liave had no existence in this parganah prior to the settlement made under Regulation IX. of 1833. Previous to the cession the whole parganah was held as a taluka (manor²) by a Thákur family settled at Farídnagar. During the changes that preceded our rule they were deprived of it and a claim to the camindári, set up subsequent to the cession on the part of some persons who called themselves adopted sons of the last raja, was dismissed by the Civil Court Certain persons styled headmen (mukaddam) were recognized as proprietors at the settlement under Regulation IX of 1833, the tenure thus created being one of pure zamindári, where the co-shalers divide the produce according to their recorded shares.

In Moradabad all the estates were zamindári, except 5 pattidári and 79 imperfect pattidári. The bhaidchára tenure is here unknown. The present zamindárs were created mostly out of a class called here padhán or pardhán, which means a headman and is synonymous with mukaddam. There were no zamindárs under the Rohilla rule, and what is now done by the zamindárs was done entirely by the village if From 1st April, 1882, under Act XIII of 1882 in Taluka is a word of many meanings (vide Carnegy's Kachahri Technicalities), but is here apparently used with the one given.

padhans, of whom there appears to have been one in every village. The term padhan has now come to be applied to a privileged class of tenants who, having no proprietary rights, hold at favourable rates of rent in return for their services in the management of the village, collection of rent, location of tenants and the like. As a rule, the expenses of the changed or village meeting place are defrayed by the padhan, and if the samindar comes to the village, it is the padhan who is lound to provide for his entertainment.

In Bilari there were 495 samindari, 27 pattidari, 137 imperfect pattidari
inshals, and one bhandshara estate. There were four
in Bilari.
revenue-free estates, in all of which the munfidar in
possession recognized certain rights in the samindars.

In Amroha : complex In Amroha we meet with very complex tenures, tenures. and we cannot do better than quote Mr D M. Smea-

ton s description of them -

"Land tenure in India may be said to have two sides, according as it regards the relations Dual usect of the question:

of co-proprietors (1) to one another and (2) to Government. This

the state of the question of the co-proprietors (1) to one another and (2) to Government. duality is a result of the position occupied by the State in regard to all lands. In Amroha the complexity is welt fillustrated. To begin with the mutual relations of co-proprietors without reference to the State at all -there are 312 cataton held in samisation tonurs, that is to my jointly without any separation of lands, but with specification of fractional interest. There are \$1 meld' held in pure pottilist tonnre, that is in which the lands are held insererally the separation baving been made in many case by private arrangement, but in which the headship of some one inducatial co-sharer is still acknowledged; the proprietors, chiefly from a desire to preserve the right of pre-emption, preferring the semblance of community to complete isolation. Then there are 188 imperfect partideri tonness. In these the severalty is by no means so complete as in those #1 just mentioned. Large blocks of |and are still held in common by the whole body of co-sharers, whose mutual relations are only one stage removed from absoluta community of possession. There are seven Malachtes (here sometimes styled ideditor) tenures. In these the separation is of the same incomplete character as that of the 188 maidle just described; the only difference being that here the hereditary fractional share which in the other tenures governs the distribution of profits on the common land and helps to restrict appropriation of waste within due bounds, has disappeared altogether. Then there are 1 415 milk plots and subordinate properties. The proprietors of these have no sort of consexion with the affairs of the village community So much for the subjective side of the 'imroha tenures. What I may atyle the objective aide or the connexion

(2) Objective aspect,

tentra. What I may atyle the objective aids or the connexion between proprietors and the State is of more interest. Of the whole 189 madels 447 are held revenue free or swelf. Of these there are 403 which may a species of tribute called marriage. They

are called most assessible

"The history of the Amroba medic is very obscure. The Enjvide themselves are not mistory of the Amroba medic able to throw any real light upon it. It seems certain that heaves. long before the time of Akbar the Amroba Enjvide were a clars in Mr. Crosthwalie a real rate report of parguanh Moralabad.

3 Amroba real-rate report of parguanh Moralabad.

1 Mr Crosthwalie a rent rate report of parganah Moradabad. 2 Amroha rent-rate report pp. 6-9

by themselves, and held in great repute as a choice branch of the Muhammadan aristocracy of India. In the A'sn-1-Akbari I find Amroha described as, 'formerly a much more important town than now; belongs to Sarkar Sambhal Its Saiyids belonged to old families of great repute throughout India' In so far as I can gather from scattered notices, it would seem that in Akbar's time the Amroha Salyids ranked second only to the Bárha Salyids (of Muzaffarnagar) I find from the same record that, although the pedigree of the Bárha Saivids was a very doubtful one, their military prowess had given them an unquestioned precedence over the Amroha families The Barha Saiyids claimed descent from Abul Farah of Wasit (Irák), the Amroha family trace their lineage back to Sharf-nd-dín Sháh of Wásit, whose son, Abdul Azíz, is said to have married the daughter of the King Firoz Sháh Ghorí in 710 Hight This cannot be correct, however, for the Ghori dynasty had fallen a century before 710 Hurt The probability seems to be that the sovereign whose special favor was extended to the ancestor of the Saryids, was Ffroz Shah Tughlak. But this of course is only a conjecture. It is said that Sharf-ud-din with his following of Saiyids had reduced to subjection the unruly Tagas who had up to that time been in possession of the Amroha parganah, and that with the downfall of the Tagas the Saiyid supremacy began; that the high social rank of the Saiyids, consequent on the marriage of their leader's son to a princess of the blood, and the services rendered in the subjection of the Tagas, led to the extensive rovenue-free grants of which so large a residue still remains. Whatever may have been the real origin of the Saiyids' good fortune, it seems certain

Originated in royal grants

that very large grants were made to them as a body, not improbably during the Khilji or Tughlak periods, for in Akbar's time (about 973 Hijrf), as I have already said, they were regarded as a

branch of the old aristocracy of India.

"The position of the Saiyids then, after the royal grant, was that of assignees of the Government revenue of the tract which included large part of the present Position of the grantees Instead, however, of resting satisfied with Amroha parganah the share of the produce which the State had hitherto taken, the new-comers resolved to assume Acting on this resolution, the Saiyids seem to have divested absolute possession of the villages the headmen of all anthority, and assumed to themselves the direct management. But, as the Sayids did not live on their properties, they found it prudent not to abrogate altogether the They accordingly, it is said, allowed them the enjoyment of influence of the old headmen These dues consisted in certain house-rents, the produce of the certain dues and privileges waste, fish of ponds, coupled with what was probably about a tithe of the agricultural assets. These concessions of course secured the loyalty of the headmen, and gave them a direct interest Previous to the coming of the Saiyids, and while yet the in the improvement of the estates villages were under State management, similar privileges seem to have been enjoyed by these

"This, then, would seem to have been the beginning of what is called the zamindari tenure in the mudi. The headmen, who had been representatives of the present community, and referees in all matters relating to their villages before the Saiyid grant, became a species of pensioners under the Saiyid regime, divested of power, but allowed to retain its substantial privileges. They

108 MORADABAD

were siyled saminders. Possibly the title may have been current before the advent of the Salyids; but certainly it became more appropriate afterwards, when what had been a species of honorarium under the State was transformed into a valuable perquisite under the Salvids in volving no obligations; in other words, an inferior right in the land co-existent with that of the mudflders

Enminders now found in

every much village,

"We find, therefore, in Amroha that every mad? village has its cominder body. The two tenures are always found together. And the reminders have remained to this day in enjoyment of precisely the same sort of income as that set spart for them at the original adjustment. The muddders however in numbers of villages have acquired the acutader rights. But even

and the two classes of rights kept distinct.

where the two classes of rights are now united in the same per sons, the holders do not consolidate them; they maintain them separate registering themselves, not as plenary proprietors of a

revenue-free estate but as masfiders, enjoying as such the whole ogricultural profits after deduction fone-tenth, and as zaminders in onjoyment of a tithe of the rental along with the monopoly of spontaneous products of jungle, waste, and pood, and of the house-rent of non-agricul tural residents. This duality of property interesting as a relie of the past, is very cumbrons, and, under certain conditions which may arise at any time is a source of perpetual inconvenience and often of oppression to the tenantry The magfidders may at any time sell the whole or part of the remi dars rights to a stranger. As long as the new-comer is on friendly terms with the madders things go on smoothly enough. But quarrels between them mean endless annoyence to the tenants. The purchaser of the comfederi insists on his right to realize his dues independ ently of the mudfiders and he proceeds to collect his tithe from the tenants without the intorvention of the madidate. Each party makes as large collections as he can, and the unfertunate tenants, thus anhiest to two separate squeezings are as a matter of course often well nigh sacri ficed between the two.

"I'ven when the sameadari and mudfidari rights are in the same hand the pessantry sometimes For it frequently occurs that the shares of the made do-Effect on persontry not correspond with the shares of the sanimist held by the proprictors. The parties in possession, for instance, may be three in all ; each holding one-third of the made property while one holds a half of the santaderi each of the other two owning only a fourth. In such cases disputes are not uncommon.

The samfaderi tennre exists both in the pure wrest villages and in the near dudier medits to which I have already alluded. The nearess is a curious sort of Neurosa.

impost. In theory it is not revenue; it is not a public cess; it is in no way a tax It seems to have originated in the hospitality shown by the Amroha medities to some influential sail of the olden time. The sail's favor was worth buying a therefore, during his official visit he was treated with every honor and filed, each section of the medicles paying their quota according to their quality. It was not to be expected that the successor of this favored dail would lightly forfeit such edvantages. Accordingly the entertainment of the duil by the Amroha muddide became a fixed hereditary custom. Some mercenary official of later days who did not care for show bethought himself of commuting the expenses incurred by the mudfilders into a fixed annual payment. Gradually then, the Amroha hospitality crystallized into what was explet a yearly norrans, or token of good will, of a very substantial kind. On the access sion of the British Government it was found to amount to Rs. 23 127 and therrupon became an item in the imperial revence. The burden of the payments was found to be very unequality distributed; and it was not till Mr Wilson, the well known Collector of Moradatad, took the

Resume of complexities of Amrolin tenures.

matter in hand, that the nazrana payments were justly apportioned. Condensed into the following schedule the complexities of the Amroha tenures may be surveyed -

	Total number of mahals	Revenue- pring	Revenue- free.	Mahals with mudfi and zamin- darf rights distinct and co-existent	Maháls revenue-free paying nazrána	Mahale not paying nazrana
In ranfidari , pattidkii , imperfect pattidari , bhanchira	513 81 188	267 20 54	246 61 134	246 G1 134 G	} 403	44

In Sambhal there were 525 zamindári, 34 pure pattidári, 218 imperfect nattidári, and 10 bhaiúchára estates. Of the whole In Sambhal 787 estates 32 were revenue-free. Of these 26 were held, in exclusive possession, by the assignces of the Government revenue In the remaining six estates the assignees had overborne the zamindurs and assumed entire management, but the latter still retained the right to a small percentage on the rental and to certain perquisites.

In Hasanpur there were 886 zamindári, 78 perfect and 104 imperfect pattlduri estates, total 1,068, distributed among 649 In Hasanpur villages; 83 of these villages were entirely revenuefree, besides numerous revenue-free plots in the others. Most of these were owned by the Aniroha Saivids.

Mr Alexander traces the history of the district as regards the transfer of ownership from the time of British occupation. Castes and tribes of land-holders at the cession Thákurdwára we find Katehria Rájputs and Rohillas; in Moradabad, Musalmáns (Shaikhs and Patháns); in Sambhal, Musalmáns (Shaikhs and Patháns), Bargújars, Banias and Játs; in Bilárí, Baigújars: in Amroha, Saiyids and Bishnois; and in Hasanpui, Pathans, Tagás, Banias and Chaudhris—as the prevailing classes of land-holders at the cession. last of these (Chaudhris) were Tagas that had embraced Islam in the reign of Aurangzeb They were chiefly found in the north of Hasanpui, the Tagas in the south being mostly Hindús.

At the commencement of the recent revision of settlement (the tenth) in 1872, the proprietary classes were as follows .-1 and in 1872 In Thákurdwára and northern Moradabad the Ráiput proprietors had lost ground, their place being taken by Játs, Banias, Káyaths. Khattris and Musalmans, a mixture of races accounted for by the results 1 Mr Alexander has illustrated this subject by two colored maps showing the possession of the principal castes at the time of cession and in 1872.

of the farming system and our sale-law Of the Shaikhs many were really Nau-Mushms, being the descendants of Rapputs who had been converted in Aurangueb's reign. In Amroha, Banias, Khattris and Shaikha had encroached on the Saiyids and Bushnois, although perhaps the actual property held by the last had not diminished, many of the villages held by them at cession being only farmed to them by the governor of Moradabad (Mahtab Sinb) In Sambhal and Bilárí the Rájputs and Ahars had parted with a good many villages to Brahmans and Banias, but owing to the confusion between Ahars and Ahirs invariably made in the records, it is difficult to say bow many villages had changed hands.1 In Hasanpur the Potháns had more than held their own, bot the Nan Muslims (Tagas and Chaudhris) of the northern portion had been to a large extent supplanted by Shankha, a process facilitated by our sale-low In the south the Tagas and Chandhris had also lost ground to Játs, Thákurs and Banuss. Mr Alexander attributes this decline in their prosperity to the excessive highnumers of Tagas and Chandhris

On the whole, the Banias and Kayaths had extended their possessions very considerably, and their rise, as well as that of the Khattris, who own a large number of villages in Bilari as well as in Thakurdwars, is comparatively recent, and awing mainly to British rule. Much the same may be sald of the Kavaths, whose property lies chiefly in Moradabad, Amroba and Bilari. The Saivids of Amroha have been mentioned already. They are said to be divided into 16 anb-divisions, some bearing very fantastical names. Their dislike to trade ond agriculture, their expensive hobits and increasing numbers, barn involved them in debt and they will probably soon lose their estates. The Pathans of Hasanpur date their settlement from the time of Shabjahan, when the country was wild and ourselaimed. They are no energetic, well to-do community and have steadily extended their possessions. The Shaiklis and Afghans are geocrally mee of no family, the descendants of the Mosalman invaders that passed and re-passed across the district. They have acquired importance, however, as a consequence of obtaining the ownership of nomerous estates.

There are three resident families with titles derived from the British Government. The first is that of Jai Kisho Das, Raja, Leading families. CSI, born 24th November, 1832; has issue Jwála Parahad; residence, Muradabad. The following account of this family is taken from the official " Manoal of Titles (1881) -

[&]quot;This family are Chanbe Brahmane, Raja Jel Kinhn Das is the brother of Chanbe Ghanshim Dis, who, after having served Government as a tabifidir in Hithras and Koll, retired

For an account of these two classes see the Suppl. Gloss, I., 3-4

before 1857, having become paralytic and blind. On the outbreak of the mutiny, Ghansham Das, despite his infirmities, exerted himself, and incited his people, to assist the Government, and rendered valuable and He was surprised and slain by the rebels at Kasganj, where he had stationed himself for the purpose of watching the ghats of the Ganges His two brothers, Jai Kishin Das and Mohan Lal, had loyally supported him, and were both rewarded. The former obtained his present title, a khilat of Rs 5,000, and lands assessed at Rs 10,000, with partial remissions of revenue for his own life and that of his immediate successor. The family is said to have come from Muttra in the reign of Ala-ud-dín Ghori. Their ancestors killed the Kázi of that place and fied into what is now called the Etah district, where a branch of them is believed to be still settled. Rája Jai Kishin Dás is at present the Deputy Collector of Cawnpore?

The second family is that of Kishn Kumár of Sahaspur, Rája, born 25th December, 1848; has issue one son, Kunwar Lál Kumár. From the work already quoted we learn that :—

"The founder of this Khattri family is said to have come from the Panjáb and settled in Moradabad in the reign of the Emperor Muhammad Sháh, by whom the title of Rai was conferred on him On the cession of Rohikhand, Rái Átma Rám, great-grandfather of Rai Rishn Kumár, was chakladár of Bijnor and subsequently he entered the service of the British Government Rái Pardáman Kishn, father of Rái Kishn Kumár, behaved loyally during the disturbances of 1857-58, assisting the English officers who had taken refuge at Naini Tál, by sending them money and information. In consideration of these services he was rewarded by a grant of estates paying Rs 4,000 land revenue Rái Kishn Kumár is a Special Magistrate. He received a medal at the Imperial Assemblage at Dehli, and a khilat at the darbár held at Agra by the Lieutenant-Governor and Chief Commissioner on the 10th February, 1879. Rái Kishn Kumár owns in whole or part 165 villages in the Bijnor, Moradabad, Budaun, and Tarái districts, assessed to a revenue of Rs 55,819. With the exception of shares in three villages that have been acquired by purchase, all the property is hereditary."

The third family is that of

"Dhaukal Sinh, Resaldar Major, Sirdar Bahadur¹; born about 1810; has issue, Jhabba Sinh, aged 50 years. He rendered good and loyal services to Government during the mutiny, in consideration of which he was rewarded with the title of Sirdar Bahadur, and a grant of land. He was, in 1872, admitted to the Order of British India, as a member of the 1st class (with retrospective effect from 14th March, 1869). The Sirdar owns two villages and has shares in two others. The revenue assessed on his estate is Rs 2,429"

Besides these officially recognised titles, the family of the so-called Rája of Other important fami. Majhola must be mentioned as one of great antiquity. Some account of the family history has been given above, in connection with the description of the caste—Bargújar Rájputs—to which it belongs.

Other families of titular rank owning property in the district but residing elsewhere, are the Káshípur² rája (Sheoráj Sinh) and Rája Jagat Sinh of Tájpur in Bijnor. The former owns several villages in Thákurdwára, and the latter a few estates in Amroha

¹ Of the 16th Bengal Cavalry. 2 In the Tarái

112 WORADABAD

and Hasanpar The ancestral estate in Axampar was acquired by Balrám Sinh, the great great great-grandfinther of the present rips, and the first known ancestor of the family, which belongs to the Taga clan of Brahmans. It was in the time of Balrám Sinha son, Rám Kishn, that Téipur was acquired and the family residence changed to that place.

Among large Brahman landholders without titles are Páthak Harsahái
and Sbeo Prasád of Moradebad; Misr Rámji Mal and
Spáhi Sush of Sambhal; Átmárám in Thákurdwára;
Jaináth and Jwálánáth

Ráipata.

of Birní Tika Sinb of Jargaon, Lakpat Sinh of Asálaipur Jarín Badam Sinh
of Naranda Ratan Sinh of Jargaon the ránís of Gáwan, who own estates in
Sambhal and Hasanpur the rání of Karr Gajádhar Sinh in Moradebad tainái

Banias are represented by Sáhn Mukand Rám, Púran Parshád Rám Saróp

nentas.

of Thákurdwára Bhákan Saran of Moradabad; Durga

Parshád and Bunsi Dhar of Chandausi, Sbyám Sundar,
Lachhman Dás, Mathra Dás, Sbeo Sahái and Tula Rám of Babjot Ganeshi Lól

and Varnyan Das of Samhhal und Ishri Mai of Amroha. The Káyatha nre represented by Bulákíchand end Musammát Rukman Kuar of Kundarkhi, und otliers

sented by Bulakichand end Alusammak Rukman Knar of Knndarkhi, and others
too numerous to mention A local authority's gives the
kayaths.
total of rillages held by Kayaths in 1872 as 109

The Jats in the same year (1872) are represented as holding 181 vilages, of which 65 were in the hands of the late raja Gur Sahai's family It is asserted that Nam Sukh, e grandfather of the raju just montloned, was a more day labourer. His son,

the grandfather of the rajn just montioned, was a more day labourer. His son, Chaudhri Narpat, acquired a fortune and built n ward (katra) in Moradabad Gnr Salaf appears to have beld the post of bailiff (ndew) in the cavil court until the minting, and to have ecquired the proprietorship of many villages before that event. For his services during the robellion the title of rajn was conforred upon him Among Bushnois—who are said to have owned 64 villages in 1872—the oldest family us that of Chandhri Shooraj

Bishofs. Some of Moghalpur, whose great grandfather, Chandhri Bishof Moghalpur, whose great grandfather, Chandhri Blahiab, was a governor of Moradabad during the rule of the Oudh Watin But the Chandhris of Kantare of present the most important. The Gosbáins ero

Continue represented as owning 36 villages near Salompur when the last settlement operations commenced (1872). The

present incumbent (mahant) is Pirbhu Ban, who holds in succession from Mahant Gangában, who is said to have come from Benares and to have settled in Shakarpur in Sambhal tahsíl, in the sambat year 1102 (1045 A.D.) In 1485 A.D., Túlaban, one of his successors, settled in Salempur.

The principal Musalmán landholders are the Amroha Saiyids already mentioned, whose settlement dates back to the 14th Musalmáns century. Among others Maulyi Ibráhím Ali was reputed owner of about 50 villages in talisil Hasanpur and three in Sambhal, besides several revenue-free villages His father Muuir Ah was for a long time the head native clerk of the Judge's office as well as tabsildar, and during that time purchased the greater portion of these villages Kazı Abbás is a son of an old sadr amin, or subordinate judge, who has recently become a The Pathans of Hasanpur hold a large number of villages; among them the principal family is that of Abdul Ali Khán, a descendant of Mubarız Khan, alias Hasan Khan, the founder of Hasaupur. Ghulam Chishti Khán, the descendants of Maulvi Muhammad Azam of Bachhraon, the Kázis of Kundarkhi and those of Sambhal, are other Musalmán land-owners of the district. The Musalmán Tagas formerly held Bachbraon, but have now few of their old possessions.

The settlement report deals with the transfers in the proprietorship and the rise in the value of land together, and the connection Alienations and the rise in the price of land. is undoubted. Of the period antecedent to the settlement of 1842 Mr. Alexander takes no account, probably from the absence of But he shows that a very marked riso in the value of proreliable materials. perty has co-existed during the term of that settlement with a very considerable extent of alienation Some of his remarks on these subjects have, however, been already quoted in connection with the history of the ninth settlement, where they were adduced as proof of its easiness. So far as alienations have been really more frequent than previously, they have chiefly arisen from the greater security of tenure, caused, since the settlement of 1842, by the fixity of the revenue demand for a lengthy period. This better security, added to the increased value of produce and the presence of larger supplies of money in the district, resulted in a rise in the price of land, although the number of sellers increased. The actual prices realised have already been quoted.

The non-proprietary classes are described by Mr. Alexander without dis-Cultivators and non-agriting usbing cultivators from non-cultivators, and this of them engage in agriculture. His remarks, derived as they are from local experience, may be quoted at length —

" Turning to the non-proprietary population, we find the principal classes are Chaphans, with Milas and other low Muhammadans in Thikurdwire and north Moradabad, with a sprink llog of the Katchria Thakurs in the south-cast corner Is Amroha, Thakurs, Shaikha, Jata, and Bishnois predominate, the last named being only found in the cast, and the Jats almost exclusively in the west, where there is a very large colony of them running from the north-east of Hamapur along the border of the parganah, right down to Sambhal. In Hammpur the old tenants, Khista. Officers and Teges, have to some extent been supplanted by Shalkba, Milas and other Muhamma dans, and also by Baghbans and Chamars brought over and settled down by the more wealthy ramindars Kharis are however still very numerous. Round the city of Sambhal Shalkha and Afghins are most numerous, as is natural, since it was one of the chief Muhammadan centres ever since the time of Shahib-ad-die Ghort. In the conth of the parganah the Ahars and Barefifare are the principal inhabitants; the former though they had lost their proprietary rights. remai ing as cultivators both in this pargenah and in Bilari. Jair and Muhammadans cultivate the northern half of the Bliari parganah and every here and there small colonies of Harbbins and Chamirs are met with. The Chamirs are in fact ubiquitous in this district, as elsewhere. and abound in every parganah, and though originally introduced rather as labourers and menials than as tenants, they now hold a considerable area.

"It will be seen from this sketch that as a rule, the proprietors differ in race and casts from the cultivators, the principal exception being the Bishool proprietors in the east of Amroha, the Bergújurs is the sent of Sambhal, and a considerable number of the Ját rillages in which not unfrequently the samindars are themselves the cultivators of the greater portion.

which not nafrequently the namindars are themselves the cultivators of the greater portion.

"Reparding the Chambians, who are numerous in Thikurdwin and are also met with
in pargunahs Hannpur and Amraha, there seems reason to believe
Chambian.

cases that they are not as usually supposed, Checks Talkers but a much lower caste, probably aboriginal like the Bhass I there may be a few real Chankins conferred with them, but the bulk certainly soom utterly unlike the Chankins of other districts and the fact of their being mostly found in the north, seems to support the belief that they are a remnant of the aboriginal tribes that took reage is the Taril country when driven out of the south by the Takins and Ahars, and that their proper name is Châlda. The Jits seem to have extended very considerably since the date of Fanipat. The desol to condition of the country gave

them good opportunities of aelecting favorable spots for settling
lata. down on, though their tendency to amalgamate beiped the coloules

from spreading very much away from each other; but very little is known about them, except that they came from across thu Gaages at different times. Thu Khāgis, who are only found in large numbers in Hasanpur seem, like the Chanhāns to be remnants of the aboriginal races who sought shelter in the wild jougle near the Gaages. Some of them

Thigis. Some of them

state that they are really Lodhus, but there is no proof of this, and

it is also extremely uncertain who the Lodhus really are

The Khágis are looked down on by

ft is also extremely more and use a Louiss really are The Rhag's are looked down on by all the genino Hindu castes and are a dark looking, wild set of people whore appearance favours the theory of their being aborigious just as that of the Chauham does. They are great rico-growers, and are found in large numbers in the villages at the edge of the justices of Heanipur—"A more part the Mahammadan cultivators the Shalkha are naturally the most numerous.

including all those who have no particular title and also some who cought more correctly to have been shown separately. Such are

the Khokars, who settled at Sambhal on their conversion to Muhammadanism by Bábar, having formerly been Rajputs and unhabitants of the Bulandshahr district. Khokars. The Múlás also may be mentioned, one branch being of the same Múlás. origin as the Chaudhris of Hasanpur, that is, converted Tagas, though for some reason unknown the term Múla is looked on as one of contempt by the Chaudhris, who do not like being called by The other branch, found principally in Thakurdwara and Moradabad, are said to be the descendants of a Katehria Rajput, who turned Muhammadan to obtain an estate in which his brother refused to allow him a share. Both Mr Crosthwaite and Mr Smeaton note them as the lowest of the Muhammadan classes, and it is certain that the term is one of no honorable character, though why they should be looked on as lower than other Nau-Muslims it is impossible to discover. Turks are also comprised in the Shaikhs, they are not uncommon as cultivators in the Amroha and Sambhal parganahs, and seem to be a finer and Turks more manly set than the Nau-Muslims They appear to have come to the district long ago with some of the early colonies of Salyids The classes more correctly comprised in the term Shaikh include individuals very widely separated by both position and even race, but, as a rule, they are of low origin, and contain the greater part of the riff raff of the large towns"

The usual two-fold division of cultivating tenants into occupancy and nonoccupancy must be extended in this district to include Cultivating tenants, their "privileged," which is used not to mean that tenants classes and rights. so designated hold at a fixed rate, but that they are possessed of the privileges attaching to the padhán-ship. Allusion to this term, padhán, has already been made, its ambiguity of meaning arises from its application to two different classes of men. Primarily it signifies a headman of a village, and the first and Padháns. oldest padháns seem to have been proprietors. When they lost their rights of ownership, by conquest or under sanction of some less arbitrary exercise of authority, such as farm or sale for arrears of revenue, they were usually induced, by the concession of certain privileges, to stay on and use their influence on behalf of their new masters Chief among such privileges would naturally be the payment of a considerably lower rate of rent than ordinary tenants. In the case of this class of padhans the office was almost invariably hereditary when the padhán had a son of sufficient age to succeed him.

fused with a totally different class whom Mr. Alexander calls thanets. These are men who, without any exproprietary right or any hereditary claim to the padhán-ship, have been made headmen by the proprietors in the absence of a genuine padhán, and have been granted similar concessions, merely as wages, under the arrangement by which they became the proprietor's agents. Some

But the descendants of these padháns, properly so-called, have been always con-

estimuted by Mr Alexander at about 20,000. It is important to note that these padháns, of both classes, are not to be confounded with the exproprietary tenants whose recognised status dates back only from the passing of Act XVIII of 1878, by which the class was created. There is no legislature recognition of the padháns privileged rate of rent, but in the settlement report there is a suggestion that it should be accorded to such as can prove three successions by hereditary right.

Classing ex proprietary with occupancy tenants, and roughly estimating the number of both, the occupancy touants may be Occupancy and non-occu pency tenents. put at 70 per cent. (numbering with their families about 860,000) and the uon-occupancy tenants at 30 per ceut. (155,000) The total of cultivating touants with their families would thus be about 515,000 But these figures are mere approximations, for reasons that are sufficiently obvious The area held by occupancy (maurin) teosuts is, with similar reserva tion, stated at about 66 per cout all over the district, the proportion of twothirds being followed very closely in all tabells except Amroha and Hasanner. "where the maurist land is less, owing la the first parganul to the tensuts more frequently absconding or dying of want under the harsher retime of the landholders and in Hasanpur partly to the same causes, but chiefly to the changes in holdings that so often take place on the bhur, where the light soil must be left fallow after u fow years oultivation. In the Amroha parganah a scarcity such as that of the Lharif of 1285 fash,2 is sufficiout to cause u large number of ompty houses, and the general position of the cultivators has long been extremely miserable.

The exact proportious in each tabiff are thus given in the seitlement report -

			Percentage of area held by Moceu- pancy" tennals.	Percentage held by "non-occupancy" tenante,
(1) Moradabad	244	***	68	82
(2) Bilári	***	•••	TO	50
(3) Thikurdwira	-00		67	39
(4) Sambhal	***	***	73	27
(5) Amroha	***	***	67	41
(4) Памаприг	***	-	60	40

¹ Repealed and its provisions re-enacted in Act XII of 1881
2 See the abort article on Predde or Padde in Wilson & Glowary The term is one of wide application throughout India, sometimes meaning a chief civil and military officer (of whom there were eight in the Marhatta State) and sometimes the middleman or under proprietor in a village. In Garbwil it is one if or in person who undertakes the revenue engagement with Government.

1277 78

2 Settlement report.

The average rent-rates found to prevail for each principal class of soil have

Rents in money and in been already mentioned, but something remains to be said regarding the modes of payment. Mr. Alexander has supplied the following note on them:—

"The first main distinction is into kind and cash, but between the two extremes are some intermediate steps—of interest not merely as now-existing forms of payment, but as tracing the history of the conversion. Originally payments were probably all made in kind by actual division of the produce between the cultivator and his 'lord'. The Batal.

Datal inconvenience attaching to this process in the case of certain crops, like cotton, led to a compromise, by which the cultivator paid a certain fixed quantity at the end of the harvest, and this, again, was converted into a payment of a fixed sum of money, when progress rendered the latter more acceptable than the produce. The system proving satisfactory,

tion, &c. which require an amount of expenditure or trouble on the cultivator's p-rt that render it mainfestly unfair that the produce should be divided in the same shares as ordinary crops, and, therefore, as long as division was practised, these were a constant source of trouble in estimating the allowance to be under on account of them. The landlords rightly judged that, by fixing a definite and moderate each payment for such crops, they would encourage their cultivation, and the system, once started, rapidly became almost unit creat. The crops thus distinguished were known as zab's, the exact meaning of which seems to be analytical off', and in time the same term came to be applied to the rates of cash-rent fixed for such crops

"Regarding these zabti crops, the rents, at first fixed low, seem to have been onlineed till they were no longer looked on with the same favour by the tenants.

Annulari To prevent loss the landlords in many villages then introduced the rule, that each tenant should be bound to grow a certain area of zabti crops on each plough he held.

"The area corresponding with the term 'plough' was not very accurately laid down, but the number of ploughs each tenant was supposed to hold was known, and on this the calculation proceeded. This custom soon developed into the tenants paying the zamindar at zabii rates on a certain area, whether he grew zabii crops or not, the tenant being allowed, if he had not the full area of them, to select a sufficient area out of the land occupied by his other crops to make up the total. Of course, he naturally picked the best fields he had of these other crops (as paying the zabii rates they escaped batai), and very likely the idea may have occurred to some tenant, when he had an unusually fine crop, to offer to pay in eash on a certain further area for that particular year. To this the zamiadár probably demurred, unless he also paid in eash on some field with a poor crop on it, and finally the matter would very likely be settled by the tenant's paying in eash on his whole helding after a valuation of the different fields. To a non-resident zamiadár, not desirous of keeping up the custom of division for any ulterior objects, the system would naturally possess great attractions, and it is quite easy to conceive his overcoming the objections of other tenants by allowing them to pay the amount of the estimate in

The system probably at first grain, instead of in money. This system is that now known as amalmutually satisfactory dari and, once introduced, the convenience of the system would soon cause it to extend and take a firm hold on the people. The tenants would find themselves free to cut the crop as soon as it was ripe, and free to store it and sell it, when and as they liked, the zamindár, on the other hand, would find limiself relieved from the vexations task

118 HORADARAD

of watching the crops and dividing them, bealdes in most cases escaping the cost of carrying off his share in kind. Thus, as first introduced, the system was probably of mutual seivantage almost everywhen. Unfortunately the opportunities it gives for oppression were too great to be long resisted, and is the bands of the less respectable samindate, and especially in two members are those of the herisada, it has now become so minuted that the delical by the transit.

bets!, in spite of all its inconveniences. The appraisament has to be made just when the crop has ripened almost immviliately that is, before it should be cut, and when any con aderable delay must cause it to deteriorate. To the tenant the loss of even one crop often means role, and the landford or his keriade here then a hold on each of them individually which they well know how to use. The appraisament made is, therefore usually as high as they think it possible to go, but as it is common to all humanity to make mistakes, or occasionally the error turns out to be better than they though

phain originally an extra pay next levised on even turning and even the phain of the partial on even turning it would be It was on some occasion of this sort that the lifes of milliplate than was entirely an even to be the than was entirely and the partial of t

will better than was estimated. Also struck one of them. The crop, he argued had turned out about twenty per count better than had been expected; therefore, the least the tompin could

in further do was to pay on at least ten per cent, more, over and above the value of the fine mate into an united do.

small opphile to raise the rent applied, with less renson, in cases where the salling price of the crep to pay.

benedit just as much as the tenant; and in process of time the dishonest and grasping landlords without any just ground winterer extended the system till they made their into a domand always claimable sgainst the tenant, unless the crops turned out much weres than had been estimated; and, further levied it on a kind of sliding scale, that invariably brought up their demand to just about as much as they could possibly squoers out of the fenant. Dhila was declared an Heral cess at the time of settlement.

"Reverting to the original system of actua/titel loss, it is of importance to notice how the payment originally light, have come to be enhanced, either directly in the case of land let to new tenants, r by the imposition of additional charges tanked on to the payments made by old meet. These took its shape of Aturk an allowance for the hodderd's expenditure in watching and diffiling the ecops; likel a * a allowance for dust supposed to have got mixed up to his sharp sawer or offerings to the histories for his trouble to supervising; \$\psi\$ yides a benevolence raised when a wedding occurs in the landlord a family; and sever-hald or fee to the landlord a weigh man. Fixer's is both the most unferent and by far the most important, its variations speaking rejumes as to the extent of the landlord's power. Briefly it usually varies in such a way as to bring up the share raid on what were originally the more lightly assessed holdings to something approaching an equality with those more heartly taxed directly."

When settlement began, it seems that, of the land held by the tensuls, are held on betal. The more than two-fifths, or roughly 300,000 acres, were held on betal, the rates park by them varying from 29 sers to 101 (both meloding thereh). The cash paving erea is chiefly found in the cast and south of the district, whilst the betal land is chiefly in the north and west. Both Mr. Smeaton and Mr. Alexander were moved to righteons indignation by the exactions of the zamindárs in tracis in which grain-rents prevail, though the former has admitted, more nureservedly

regarding whom he says " all are in easy circumstances; a large proportion are wealthy; several keep a retinue and have their elephants, horses and conveyances." But if they do not hve in the same luxury as the landholders, the cultivators of Bilari are said to appear " comfortable, fairly-clad, with good food and plenty of it." Mr Smeaton enumerates four causes for this unusual prosperity The first three have reference to the general fertility of the soil, the custom of money rents, and the absence of rack renting The fourth and most important is, "the singular aptitude of the soil for sugarcane, the skill of the tenants in raising it and the large local demand I have seen, ' (writes Mr Smeaton) "among the Chamérs and Játs, the most singular and satisfactory evidences of the working of the four causes first enumerated Numbers of them had heards of money, buried in large jars under their houses, which they would not spend. They dressed bumbly but cleanly, from abser thrift; but there was an air of comfort and independence about them that was unmistak able." The average indebtedness of tenants in this taball was roughly ascertained to be Rs. 7: and in many cases this was a nominal indebtedness, "being a temporary reluquishment of the year's balance, to stand as an advince for the following year

In Amroha we find a total contrast in the condition of the cultivator, who

is "ground under a triple yoke," being harassed by the
Eatyid landlords of whom mention has already been
made. The result is, that, with u few exceptions, they are more poverty-stricken,

made. Increase in that, with new exceptions, may be more poverty-striction, less independent and less happy than any class of Lonarit in this diritit or elements of ar as the experience of Mr. Smeaton, whose opinion is quoted, went)

In the low country of Sambial tabell, the condition of the people upproaches the favorable one of the residents of Bildri tabell, but routs are somewhat higher. In the higher

r parts (bksr) the people were originally Ahars, and they still pursue here their traditional occupation of graziors, having abandoned the other branch of it—cattle-lifting Having the virtual monopoly of the trade in gkt, they are well-to-do, notwithstanding the grudging fertility of the soil, which harely allows them an autumn harvest and deutes them apring crops.

Hazanpur is more ugricultural than any other tahsil and the tenants landst entirely. Haddis of the lower class, while the landlords are mostly u wealthy haughty. Mahammadan aristocracy. The system of division of crops prevails, with the incidents ulready alluded to Surfage is uppareutly the result, but a serfage of a vory mild type. So far as indebtedness proves poverty, the tenants are not so hadly off, as of

TRADE. 121

166 families whose cases were enquired into, 101, or 61 per cent, were entirely free from debt, nor were the indebted portion insolvent, as an elaborate estimate of their assets showed, as the result, that each family had on an average 8 neres of land, 5 eattle and a debt of Rs. 31 to pay. The net meome for the year is taken at R= 16 (proceeds of sugarcane and cotton) and 37 maunds of grain. The food of the family and payments for sorvices amount to 4% sers daily, or 43 maunds for the year, including in this the seed required for the next year. This leaves a deficit in grain of six maunds, costing Rs. 10, which must come out of the cash reserve, now reduced to Rs. 6. But from the sale of alt about Rs. 6 will be realised, bringing the assets to Rs. 12, to meet the debt of Rs. 31. Rs. 10 will go as interest, and a net balance of Rs. 2 will remain. There is bare solvency, therefore, but not much more.

Before the railway was opened, the principal export trade was in unrefined sugar (gur), carried by carts to Mecrut, and in refined and unrefined sugar (khand and gur), in earts to Aligarh. There never seems to have been much river traffic, the course of the Ganges not being sufficiently reliable. From the settlement report we take the following resume of the export trade of the district:—

"The Meerut trade took in a large part of the north of the district, including the two centres of Kant and Dhanaura, and also the south of Bijnor, and crossed Exports Sugar the river at the Iigri and Garlimuktesar ghat. The Aligarh trade was almost all through Sambhal, one branch of small importance also passing by the Ahar ghat into the Bulandshahr district. Since the railway has been opened, the Sambhal road-trade has to a large extent been diverted to the railway, a large part still going through Sambhal, but a portion, which is yearly increasing, going direct to Chandausi or Bilar' Some of the Kant trade has also been diverted to the railway, and, instead of being loaded at Moradabad, this is mostly brought on to Bilari or Chandausi by cart The people explain this by saying that, once it has been put on the carts and the latter have gone the 18 miles from Kant, it is easier and cheaper to go right down to the consiguee's store-house at Bilári or Chandausi, than to take the train at Moradabad, and then to have to unload again a few miles further on and again load when it is despatched finally They cannot probably make their arrangements fit so as to export it straight away when it is first purchased, and, of course, it is safer and cheaper to keep it in their own stores than to leave it lying at the station in Moradobad. Part of the Bijnor trade has been diverted to Khatauli, in the Muzaffarnagar district, but the road trade to Meerut has held its own much better than that to Aligarh. This is owing to the excellent roads that connect Moradabad with Meerut, and thence with Dehli, to which a very large portion of this sngar goes. The import of refined sugar, which undoubtedly goes on to a considerable extent, is almost entirely due to speculations, and the import is generally re-exported. In Chandausi there are several traders who will keep sugar or grain by them for a long time with a view to future profit, and these men, if they hear of a good bargain, will import with a view to exporting again, at a profit, later on.

122 HOBADABAD

"Next to sugar wheat is by far the most important export. It is the chief crop of the diswheat trict, about \$70,000 acres being annually sown, from which, at a
moderate computation, error allowing for the small yield on some
of the light soil, two bandred and fifty millions of mands of grain should be obtained on an
average taking good and bad years together. What the amount of wheat annually exported
from the district comes to, on an average, cannot be very accurately determined; the exports

of the light soil, two headred and fifty millions of mainds of grain chould be obtained on an awarge taking good and had years together. What the amount of wheat annually exported from the district comes to, on an average, cannot be very accurately determined; the exports of ediblo grains by rail aggregated close on a million mannds in 1878-79 and nearly 17 hundred thousand mainds in 1878-80; but a considerable portion of this was grain imported by rail from closwhere, and re-exported to other markets, and a certain amount (more probably a large encount in 1878-80) was grain brought down from the Tard or from Bilinor by cert.

"Rice is grown extensively in this district, the average area under it being not less than

80,000 acres, including default. But probably the main portion of
the expected grain comes from the Tarál and Kumann viá Rámna

gar and Tanda. The latter place like within the place given out of this district to Rimpur after the mutiny and is a great depth for the rice coming down from the Taril. The expect trade is mainly by cart to the rail way at Moradabad and Chandansi, and by ponies, mules, and bullocks to Meerut and Dahil. Were it not so precarints, rice would probably best wheat in importance for trade, and in a good year the expect must be very large. In the peat year 1879 for instance, large consignments were sent by rail to Dahil, and also to Agra and Bombay. The railway has greatly stimulated the expect trade of this steple, though it might still be considerably opened out if the read communication were better all over the district and in the Taril. The expect now mainly comes, as before stated, from Thikurdwira and the Turil, but there is soom from the south of Hasanpur and the borders of Badana. The trop is grown all over the district, and were the means of communication better than they are, a larger portion of the produce would be expected, from many localities where comparatively small areas are sown, than is at present the

"Cotton, like rice is a very fluctuating crop, and in one year fluor, mar han, concluderable surplus for exportation, whilst in the next the local supply is in sufficient for district wants and has to be supplemented by imports.

In either case, however there's is a trade, and suployment is farmlabed to the Bankas and carriers. The trade in cloth it mostly carried on by the wandering traders called kelephin, who ream over the country with posless or bullocks, and presty closely represent the paskars of bygone years in Logiand. These men are mostly Danjicas or Pathins but a few are Banka. Besides the cotton grown in the district, considerable quantities come from Rampur and Basham to Chendard and Dashol, for export towards Barrielly and Luckows.

Anima to consignments of the same grain before received,

went of consignments of the same grain before received.

"Besides the above articles, there has, for some time been a considerable local trade in gif,

Gal.

and since the rallway was opened, there has been some export of this,
principally from Bablel, which is the trading centre nearest to the liker
tract of Sambhal and south Hasanpur whence the gif chiefly comes. 'The Ahir's great standby writes Mr Smeaton,' is the gif he makes from the mile of his buffalo-cows. He sells his
gif, and with the money he receives pays some of his runt and hays more live stock. In fact,
the gif trade in this part of the country is a vital element in his rural economy. When an Ahir's

Sambhal Rent rate report.

buffalo has calved, he goes off to the Bania and offers to supply him with ght, the terms being that the Ahir gets an advance in cash to the extent of, say, one maund, or Rs 20 to 25, he undertaking to supply a certain quantity of ghf The bargain is almost always a written one. Once in every seven days, the tenant trudges to the market town or village, and hands over to the Bania the oht he has made during the week. The Bania weighs it and credits it to his account. And so the transaction progresses for as long as the buffalo gives milk, generally a twelvemonth. At the end of this period, the accounts are squared, and the balance, on whichever side due, is The tenant's security is his buffalo, and the bond distinctly specifies that, if he defaults, A good buffalo gives six to eight sers of milk a day; and the buffalo is liable to be sold up the yield of ght is about half a chhatak to every ser of milk. The milk is first heated, and then, after its transformation to buttermilk, it is churned The butter that comes out is heated and The buttermilk remaining over after the churning, is available for feeding both There is nothing the buffalo cow thrives better on than this the children and the buffalo buttermilk mixed up with ground judr The ghi advances in the bhur tract, therefore, are the same sort of subsidy to the Ahir tenantry as the sngar advances are to the Bilari agriculturists and their neighbours in the Sambhal Katehr"

The extension of cultivation that has taken place since last settlement, must have materially reduced the grazing-grounds, and it is only too much to be feared, that their area will at no very distant date get so small, that the keep of cattle will become too expensive for the Ahirs, and the ght trade will diminish. Of course, it is only whilst the buffalo is actually giving milk, that she is fed up in the way above described. There must be large grazing areas to keep the animals on at other times.

"There is also some export trade in hides, principally from Sambhal and Hasanpur Of late years, too, a large demand has spring up for the Moradabad brass-ware. The export trade has, however, spring into importance almost altogether recently, and is confined to Moradabad city."

To sum up, then, the main exports of the district are sugar and wheat; and rice is, in good years, largely exported, but in bad years the quantity for export is reduced, sometimes to none at all

We turn now to the imports that are exchanged for these commodities. The chief are salt, tobacco, metals,

and piece-goods

"The first used to come chiefly from Dehli, but owing to the large export trade, which the railway now enables the district to carry on in grain and sugar with Rajputana, a considerable trade has recently sprung up in salt imported from Rajputana through Agra and Hathras. This mainly comes to Chandausi, which is yearly growing in importance. The Panjab trade used to come by road through Meernt, crossing at the Garhmuktesar ghat, and to a certain extent this trade still goes on, but most of the salt is now sent by rail as far as Chandausi and Moradabad.

"The average requirements of the district would be about 1,00,000 maunds of salt for eating, besides a certain amount used for other purposes. The railway statistics show a gross import of over 3,00,000 maunds, and a net import, after deducting re-exports, of very nearly 2,00,000 maunds for each of the two years 1878-79 and 1879-80. The re-exports by rail are chiefly consiguments to Bareilly and Oudh, and the surplus of the net import is the salt which is sent on by road into the Tarái and the east of Bijnor, or to Rámpur or to Budaun, merely passing through

124 HORADABAD

the district. Besides the rail trade, there is some import by road from Dehli and Meerut, but not to a very large extent.

"The import of tobacco is mostly from Oudh by rall and from Budaun by cart. I have no attained whatever to gauge his extent by but it is certain there nous be a considerable import, as, owing to the frequent fronts in December and January it is very little grown in the district, whilst the communition is aumarunt.

ly just as unusual as in districts where it is extensively cultivated.

"Metals imported are chiefly from and braza, the former coming from Nipál through Onda,

and the latter from Calentia. The recent development of the

Moradabed ware trade has increased the import of braza, which
comes in thick, broad sheets, and is shaped here into the form required. In 1830 the value of
the braza imported into Moradabad city for the manufacture of ware was rather over a likh of

Tupeca.

"The trade in piece-goods is mostly from Hithras or Debil generally; they are eartied by rail but sometimes they are carried from Dabil by road. A con siderable portion of the goods that are imported to Chandnasi are thence re-expired to Barellly or Himpur; but allowing for this, the importance to the district itself in a good year when there is a large trade belance in its favour against Debil and Hispatian, must be considerable, taking into account the high value these goods bear in proportion to weight."

Since the hoense-tax has been imposed, traders naturally look on all onquiries as to their huminess with much suspicion—and the information they give is often so atterly misleading that it is extremely hard to give any securate account of trade declings. Still, in all his exceptional years, the main course of trade appears to be that above described to see a large export of sugar and wheat, with a finctuating but sometimes large export of rice, to Meerut, Debli, Hathras, and Agra, and in return a large import of salt, a considerable import of precededs, with a steady, but less valuable, import of tobacco and metals, and a fluctuating import of cotton. Besides the main imports, there is a protty brisk trade in lac, red pepper, spices, and potatoes from the hills, carried chiefly by the balopatras already allined to, who in return take back salt, country cloth, and tobacco. Their dealings are, however, only on a small scale.

Having glauced at the principal commodities brought into and sent out of the district, we may turn to the available sintistics of traffic by road and rail, for which we are indebted to Mr J B Fuller, who has kindly furnuhed a note on them

"The only returns of read traffic' (he writes) "which are available are of traffic entering and leaving the distinct on two of its sides, in the direction of the bills on the one side, and of the Meerut division on the other Read traffic between Moradahad and Bunor, Rampur and Budaun, has never been registered.

A.—Traffic between the Moradabad district and the Tarái and hills, viâ the metalled road to Káládángí.

												То	TAL
Position of post.	Year	Direction	Cot- ton	Cot- ton goods	Grains	Mo- tals	Orl secds	Provi sions		Su- gar	Mis cella ncous	Munds	Гиреоз
			Ма	Ms	Мв	Ms	Ms	Ms	Ms.	Мз	Ms		
larhiál, 22 miles from Morad-	1879 80	Towards Morad	72	301	1,07,866	7,539	10,335	2,507	8	103	12,823	1,41,107	4,32,463
abad morad-		From ditto	180	2,807	9,946	1,83 8	758	2,774	11,710	5,175	5,039	42,727	5,13,249

"The chief imports are grain and oil-seeds, and are paid for, principally, by exports of cotton goods and salt.

B.—Traffic between the Moradabad district and the Meerut division, via five Ganges ferries

				a .								To	TIL
sition of post	Year	Direction.	Cot- ton	Cot ton goods	Groins	Mo-	O11- sceds	Provi sions	Silt	Bagar	Miscel- lancous	Maunds	Rupces.
i) —Bet ween Moradabad and Meerut			Mds	Mde	Mds	Mds	Mda	Mds	Mds	Mds	Mds		
		Towards Mo	237	17	2,712	1	16	18	361	169	ຣາຊ	3,929	20,321
horpui	1878 79 1877-78*	{ radabad {From ditto Towards Mora-	3,029	567 1,201	6,023 2,48,474	6 4,704			51,703	2,029 6,015		13,512 3,32,201	05,923 16,50,623
arhmukte-	1878 79	dabad From ditto Towards Mora	593 3,191	1,725 1,096	73,940 21,062	შვს		18,067	_0,810	82,526 319		2,05,077 50,535	
	1876-77	dabad From ditto Towards Mora d.bad.	6,778	1,119 19	60,039 1,61,489		5,842 83	10,752 149	29	1,10,133 27		2,1°,161 1,71,351	
'urhghát	1877 78*	From ditto Towards Mora dabad	0,080	446 40	44 972 1,53,753	7 232	390 50			59,755 32		1,10 517 1,63,593	
n) —Between Moradabad and Buland shahr		From ditto		907	37,299	39	358	750	121	2ģ,155	8,403	70,010	5, 02,30
(1676-77	Towards Mora	1,100	1	21,963	m	50	30	140	(9	710	24,134	19,981
ihir }	1877-75	From ditto, Towards Mora dabad	612		3,911 30,759	7 60	853 653	1,777 17	202	7,720 5	2,570 631	16 27° 33,423	77,793 1,01,773
t f	1876 77	From ditto Towards Mora- dabad	21 G(-5		2 035 25,209	1 2,174	455 253	16,9°2 18.3	1,960	7,011 19	7,750 8,210	37,978 3,770	11,117 219,613
inupshahr	1677 78*	From ditto Towards Mora dabad	253 253	828 11	12,003 33,214	81 613	1,772	7 073 155	2,311	22 2.7	1.95 707 1 F14	2,40,472	4,07,421 2,16 573
111011341	1976 70	From ditto Towards Mora dated	1,520	256 43				10,631 61	15	t 2;	1,72 4/2	2,17.72	4 11 175
į		From ditto	220	140	21,501	41	1,472	2,70	12	5,50	2777	£1 15	7 17 255
fotal licking of two or me		dalınd	11,635	1,202	3, L.,423		1,012	5~	5, 71	0		4 5 4	1,375
where neces	erity)	From ditto.	-,122	2,953	1,17 (~)	3'7	11,0~_	~r,^c	7-	3,17 7	1,0 (*)	. 25 ,	51 12,165

126 NORADABAD

"These ferries are all on unmetalled roads of minor importance, except Garhmuktesar and Anúpshahr, the former of which is on the metalled road between Moradsbed and Meerut, and the latter on the second-class road between Moradsbad and Aligarh. The most noticeable point in this statement is the very large import of grain from the Meerut division during the year of scarnty (1877 78), a large portion of which is known to have been drawn from the Rohtak and Hisár districts, and merely crossed Meerut in transit.

"The average amount of traffic which passes by road between Moradabad and the Meerut division may, therefore, be assumed to be—imports 4½ tákhs, and esports 5½ lákhs maunds. This is rather less than two-thirds of the traffic transacted by rail at the station of Ohandansi alone. It must be noted, however, that the greater portion of the district railway-borne traffic is concentrated at Chandaus, which, indeed, ranks suith in commercial importance amongst all the railway stations in the North-Western Provinces.

"By far the greater portion of the district traffic is carried on by means of the Oudh and Rehilkhand Railway, but from the district limits not coinciding with these of any of the 'blocks which are the units for railway trade registration purposes, it is impossible to give full details of the district railway-borne traffic. From the extension of the Oudh and Rohilkhand Railway to Sahfranpar via Bijnor, which has now been commenced, still more of the trade will be nitracted to the railway, since the new line will pass through some of the principal sugar-producing parganahs, and will intercept much of the sugar traffic that now finds its way out of the district by road towards Dehh."

The manufactures of the district are confined to a few of the larger towns

Manufactures.

Chief among them is the Moradabad ware already
mentioned unid described in the article on Morad

ABAD) The demand has enormously increased of late years, and the workers
may be counted by thousands. The productions of the Amrolia pottery give
employment to hundreds of persons; camp-bods of very good quality are also
made there (see Amrolia) In the south west of Hasanpur objectly, but elso
elsewhere in that tahsi, a small quantity of the rough glass known as kinch
is made by a class of persons called manifats Briss-ressels are made in many
places, especially at Dhanarra. The manufacture of cetton-cloth provides subsistence for a large number of persons and is thus described —1

"The cotton is first cleaned (by women usually) and this costs about two snas for eight stra of uncleaned cotton or a little less than one sna a ser for the cleaned cotton resulting. The latter is spun into thread by women, who get one chiaták per ser and two pies a day as their wages, and then the thread is worked into cloth in the looms. Cloth of this kind is made at Amroha, Naugáon Sádat, Umri, Kánt, Sambhal, Sirsi, Bilári, Chandausi, Kundarkhi, Moradabad, Páekbára, Thákurdwára, Hasanpur, and several other towns or villages. That made at Thákurdwára, Moradabad, Páekbára, Kundarkhi, and Hasanpur is reported to be the best, the dusúti made at Hasanpur having especially such a good name that the makers have almost always orders on their hands."

Here, as in Shahjahanpur, the manufacture of sugar in its various forms is a flourishing and highly profitable business. Mr. Smeaton writes¹.--

"The demand for cane-juice has been all along on the increase All who have a little capital embark it in sugar advances. Thrifty cultivators who have saved money—and these are numerous—are to be found in partnership with banias in the sugar business. Zamindárs themselves are finding out how profitable it is, and many among the wealthiest have been lately taking to buying up the sugar of their villages. A regular competition has set in, and the tenantry have therefore found no difficulty in disposing of their juice to advantage. The influx of wealth formerly alluded to has of course greatly stimulated this competition. Many more persons now have capital than before a great portion of these can afford to live more frugally, and therefore take a lower rate of profit than the old capitalists."

The measure by which the cane-juice (ras) is sold is almost always the karda, equal to a very little over 50 government (or 100 kachcha) maunds. The system by which a sugar manufacturer obtains his supplies of juice, includes the giving of advances by him to the cultivator, and these are usually three in number. The price to be paid is fixed either on the first or second advance. The average produce of an acre may be put at 175 government maunds, the value of which would be about Rs 75 and the cost of cultivation and crushing Rs 50, leaving the cultivator a profit of Rs. 25, though this varies enormously, according as the cultivator employs hired labour or not. The profits have increased since the railway was opened by about Rs. 14 per acre. During the actual crushing operations, the hired labourer earns on an average Rs. 8 a month besides his food. He has to work hard, and runs some risk of having his hand crushed by the mill. The processes of manufacturing gur, ráb, and khand have been described in former notices.

Gur is made all over the district and is either made by khandsálís (sugar manufacturers) or by the cultivators themselves. In the latter case it is usually sold to petty dealers at so many bhelís a rupee, the bhelí being a ball of gur weighing about $2\frac{1}{3}$ government, or two local, sers. The purifying process by which i ab is turned into khand, has been described above. The average percentage of khand to ras is about 7, Mr. Butt puts it at only 5.8, but zamíndárs whom Mr. Alexander questioned on the subject put it as high as 8, and

Mr Moens, in his Bareilly report, makes it 7. The manufacture is chiefly carried on at Sambhal, Bilári, Kundarkhi, and Chandausi.

Among the local manufactures may be reckeded that of spirits after the

Manufacture of spirits native process. A very full account of the various proafter the native process. ceases in common use will be found in the annual
report on the excise administration for 1880

The principal fair during the year is that called Kátki, held near Tigri, at the end of the Hindin mouth Kártik (November), on the banks of the Ganges opposite to Garbinnktesar in the Meerut district. The attendance is in ordinary years about 50,000 Smaller gatherings are held at Sambhal, Bilán, Knudarkhi, &c., but they are not of sufficient importance to dotain us.

In the following table will be found the average rates of hire paid during

Wages.

Wages.

Wages.

						Average i	lally was so	the gear	
Class of arthun or labourer					1858		1866	1891	
Masons Carpenters Thatchers Boatmen (mallah		:::		=	A EL	# to 8 3 to 6 3 to 8	As, 5 to 12 6-8 to 8 4 to 5 4 to 8	As 3 to 6 8 to 6 2 2-0	
Diggers (balders) Cultivators Coolles Hackney-drivers			**	-		2 to 4 2 to 4 14 to 5 1-8 to 4	n 3 to 8 n 3 to 8 n 3 8 to 6 s-8 to 4	и 7 и 1-6 и Я	

Amongst artisans, carpenters and blacksmiths are found in nearly every village, and the Jalahas, who carm a living by wear-

villages the carpenters and blacksmiths are still usually looked on as village servants, receiving a certain hab or fee, pald in grain at each harvest, or a certain sum on each plough and cano-mill used during the year Julibus, on the other hand, with shopkeepers, such as Halwils, Tehs, Chhipis, Ghosis, and others, have till quite recently had, as a rule, to pay house-rent or fees to the zamindárs. This custom is usually found in rather large and populous villages, and in some, as for instance Bilári, the income derived from such fees was very large. But, since the settlement began, zamindárs have been virtually prohibited by Government from levying these fees on trade.

The wages and prices for 1858 and 1885 hav been taken from Mr W C. Plowden's trestil a on that subject (1871) Thorn for 1851 have been kindly sopplied by Mr L. M Thornton C.S. O O No 810A, dated 2rd April 18 6 and C O No 820A, dated 3rd April, 1874.

129

Carriers.

Carriers.

on regular wages, and they may be divided into those who drive carts and those who actually carry loads. The number of carters that live solely by the trade and are not also agriculturists, is small. We find them, however, in all the larger trading centres, and at Chandausi some of these men make a very comfortable living. The rates ordinarily paid are, either by the day. 6 ánas for each bullock required for the cart, or, by the month, Rs. 14 for a two-bullock and Rs. 25 for a four-bullock cart, or, by weight, ½ ána a maund where the distance does not exceed 5 miles, and from nine pie to one ána where it does. The hire of donkeys with packs is from six to nine pies each a day, and for bullocks and ponies about 4 ánas; bullocks are, however, rarely hired except with carts. The number of Kahárs who live by load-bearing alone is not very large; most of them either own land or also do a day's work of other sorts.

Agricultural labourers.

food, which consists of about half a ser of some coarse grain made into chapátis at noon and the same in the evening. When paid in cash only, 2 ánas a day is about the average. When reaping rabi crops or rice, they are commonly paid in kind, and two to four sers of grain, according as the harvest is plentiful or the reverse, or more accurately a sheaf of the crop sufficiently large to yield this quantity of grain, is a fair day's wage. At harvest-time, in a good year, they are not at all badly off, and sometimes make enough to buy a spare blanket or some cheap silver ornament, butin a year of scarcity, such as 1877-78, they are often in dire straits.

Food-prices may be treated in the same tabular fashion as wages, the periods selected being 1845-57, 1860-78, and the year 1881.—

			1.	Average weight purchasable for one rupee 1						
A	rticles.	•	_	1845-57	1860-78	1881.				
				Sers	Sers	Sers	chs			
Wheat	•••	•••	•••	36	22	20	10			
Rice, common	•••	•••	1	49	32	14	01			
	• •	•••		55	32	28	10			
Cotton, cleaned		•••]	3	2	2	13			
Juar millet	•			57	29	24	2			
Unrefined sugar (gúr)	•		16	10	8	10			
Múng pulse	•	••	•••	43	24	19	12			
<i>Bájra</i> millet		•		46	26	20	6			
Gram				••	•••	20	1			

130 MORADABAD

These figures 1 show the enormous increase of 64 per cent, in the second period (1860-78) over the first (1845-57) for wheat, of 58 per cent, for noe, of 78 for harley, of 50 for cleaned cotton of 95 for jude millet, of 60 for un refined engar (gur), of 79 for ming pulse, and 77 for bajra millet

The great mass of the cultivators require periodical loans for their husiness. and, except when they get them by way of advances Money-lending and in from angar manufacturers, they have to take them on interest, either from their samindars, or from the professional money-lenders, the Robins, Athbarias and Bohras already mentioned (supra p 69) The common rate of interest in the case of loans from one season to the next, is 2 anas in the rupes for half a year, or about 25 per cent, which, though high, is not perhaps exorbitantly so when the risks are considered. With approved enstomers and fair security the rate is not infrequently reduced to half, and it is but rarely that formal bonds are entered into for repayment. When, however, the loans are not oleared off and the cultivator gets at all deep into the money lender shocks, the matter changes. It is then customary for the oreditor to take over the whole of the cultivator e grain or cane-juice and dispose of it to the best advantage for himself, giving the dehter credit for a price always somewhat, and sometimes very much, below the current rate. The creditor then advances the debtor sufficient means to harely embalst and work his land, and this coes on till he either decemps or dies. Under such circumstances the onlivator is little better than a slave Such cases perhaps are not very common They are found most often in villages where the samindar blmself is also the money lender

Besides these regular yearly loans, there are a vast number of transactions carried on unconnectedly, and as the emergency arises. These are principally sought by cultivators who have not a regular necount with any banker, or by the non-agriculturists and the profits from these are sufficiently large to form the principal means of embisistence of a considerable number of persons. Loans for marriage or funeral expenses, and for purchase of cattle food, and clothes, are perhaps the commonest, and costs of litigation are also a not infrequent item. The rate of interest charged on these transactions varies of course enormously. In many cases the creditor has no security whatever heyond the good faith of the borrower and the latter has no chance of raising the lean from any one class. It

¹ Taken from a statement in Mr Alexander's settlement report. Mr Flowden in his Report on Wages and Prices gives a trivial statement for each of the years 1938-87 but the variations appear too great to make it of much value. It is unfortunate that Mr Alexander made is estimates for no few staples. Gram at least we should have expected to find included, as its price does not bear a fixed proportion to that of what. Mr Flowden gives the prices of gram solidows: 1636 40 to 49 sers; 1860, 18 to 21 sers; 1862, 23 to 23 sers; 1863, 23 to 68 sers; 1866, 24 to 27 sers; and 1807; 15 to 18 sers. It the press 1861 the average price was 20 sers.

is not, therefore, strange to find even as high a rate as one and per rupee per mensem charged, and where grain is lent, the rate is sometimes even higher, 50 per cent. being charged for about six months' loans.

The local ser in use is roughly equal to 100 tolas, and therefore exceeds the government ser of 80 tolas (or $2\frac{2}{35}$ lbs avoirdupois). The local (kachcha) maind is a little more than half the government maind (of 82 3lb. nearly) 100 kachcha mainds (= 50 government mainds)=1 karda, a measure used for cane-juice. Other local measures of weight are a saia= $1\frac{1}{4}$ sers (government); 8 saia=1 báhni, 12 báhni=1 kúndi, or about 3 mainds, also used for cane-juice 1

The English mile is four-fifths of the Moradabad kos, and indeed seems to Measures of distance be the same all over Rohilkhand

The measures of area current in the district are very complicated. First, we have the Government bigha (used in the re-settlement of the district), which differs in Thákurdwára and in the rest of the district. These measures may be conveniently shown thus:—

	Number of square yards in Govern- ment bigha	Number of bighas to the acre	Decimal fraction the bigha is of the aere
Whole district except Thákurdwára	3,025	1•6	625
	2,232 56	2•1680	4612 ²

The Thákurdwára government bígha was also used in the re-settlement of the adjoining Káshipur parganah (in the Tarái). But this Government (or as it is locally called pakka) bígha is hardly ever used by the people themselves; and the settlement officer for this reason recorded only kachcha, or local, bíghas in the khasras (lists of fields). Regarding this local bígha Mr. Alexander writes as follows.—

"There are two different measures generally recognised for the kachcha bigha in this district, one in Thákurdwára, the square of length of the local jarth, which is 27 26 yards in length, and the other in the rest of the parganahs, the square of their jarth, 27 50 yards in length. Besides this, in several of the villages brought in from Bijnor there was another kachcha bigha rather larger than either, and apparently not on any very accurately-fixed scale. This last has, however, been discarded, and only the two above mentioned employed.

1 Ganga Parshad's notes. 2 Nearly These measurements are taken from a printed tabular statement apparently published by authority, but as to the Thakurdwara bigha see the next note.

"In Thikurdwire, therefore the kackele bight is 743 11 square yards, and in the rest of the district 762-25—in other w rus 64 of the former and 64 of the latter roughly go to an sore. I may also note that, to complicate matters still more, three bights kackels go to a pakka bight in Thikurdwire as is Sijnor whilst four go to it in the other parganahs. 1

To preserve uniformity with preceding notices we append a statement of

District receipts and the district receipts and expenditure, for a recent
expenditure year, under the 'service heads.' These are the items
that enter into the accounts of the Government of India, but the debt' heads.

that enter into the accounts of the Government of India, but the debt' heads, comprising the accounts of sums repayable by or to Government, such as deposits, leans, &c., are not included —

Receipts.	1880-81	Charges,	1850-01
3 Amessed taxes 4 Provincial rates 5 Stamps 7 Post-office 7 Post-office 9 Law and Justice 9 Law and Justice 10 Police 11 Education 12 Medical 13 Stationery and printing 14 Interest 15 Heceipts in aid of superannus tion, retired, and compas alonate allowances 15 Miscellancous 17 Irrigation and navigation 18 Other public works	9/141 1 444 2 290 3 3 8,482	3. Refunds and drawbacks 4. Land revenue 5. Stecles on spirits and drugs 7. Provincial raise 9. Registration 10. Fost office 11. Administration 12. Minor departments 13. Law and justice 14. Folice 15. Folice 16. Eduration	Ra 61 16,452 2,61163 4 291 44 45 4,191 6,876 7,879 10,879 11,87,723 110,567 7,700 93,076 1,576 1,576 5,977 7,87,003
Total .	. 21,25,528	Total ~	1,01,003

¹ Mr. Alexander a estimate of the dimensions of the Thakurdwara Government bigha differs, it will be seen by 232 yards from that given in the tabular statement. In a note to the latter it is stated that the Thakurdwara government bigha convolute of ",918 yards at 314 inches per yard, the jarth mea oring 54 yards, or 2,322 56 square yards, at 36 inches per yard." The note is expressed doubtfully a probably Mr. Alexandar a statement is the more correct misted by the Accountant-General, N. W. P. and Ordh.

Changes that have been from time to time introduced in the mode of keeping the accounts of receipts and expenditure, make it impossible to obtain an exhaustive and accurate statement for former periods, for the purposes of comparison with that just given, but a few main items of receipts for the years 1860-61 and 1870-71 are subjoined, with the figures for 1880-81 added for comparison—

				1860-61	1870-71.	1880-81
	•			Rs	Rs	Rø
Land-revenue	•••	144	• • •	12,19,467	12,67,273	14,21,497
Excise	***	***		36,333	60,247	74,149
Asseseed taxes	•••	•••	•••	45,500	1,02,155	38,348
Stamps	•	***	••• [91,800	1,60,693	2,43,268

With regard to the system of local self-government or decentralisation the position of this district is shown as follows -The Local rates and self-govbalance of local cess available (1882-83) for local expenditure-after deducting further rate and percentage for canals and railways-was Rs 1,58,310. Of this, general establishments (district dak, lunatic asylum, inspection of schools, training schools, district sanitation, Department of Agriculture and Commerce) required Rs. 14,930, leaving Rs 1,43,380 available for expenditure on education, medical charges, and village watchmen As - this expenditure is normally estimated at Rs 1,17,520, there is a balance But on public works a normal expenditure of Rs. 62,170 is of Rs 25,860 annually required, so that we have a deficit (or excess of charges over receipts from local cess) of Rs 36,310 The only possible remedy for this state of affairs is that indicated in Resolution No 36 of 1882, dated 13th April, -that the Local Government will step in and subsidize the district by a grant from other funds

Municipalities and houseMunicipalities and housetax towns

1856, and disbursed on local objects in the towns that
are subject to those enactments Full details of receipts
and expenditure and the various modes of taxation in force are given in the
town-notices at the end of this volume. The towns that rank as municipalities, are Moradabad, Chandausi, Amroha, Sambhal, and Dhanaura. Those
that are not so constituted, but are still hable to local taxation—called chaukidárí towns—are Thákurdwára, Sirsi, Kánt, Darhíál, Kundarkhi, Bilári,
Sambhal, Hasanpur, Bachhráon.

ISambbal appears both as a municipality and as a house tax town. For the explanation need infra under Sambhal

The actual assessment of the moome of the district at 6 pies in the rupec, calculated upon profits exceeding Rs. 500 for the purposes of the income-tax of 1870 during 1870-71, as Rs. 83.083 There were 870 progress between Rs. 500 and Rs. 750 per

was Rs. 88,083 There were 870 incomes between Rs. 500 and Rs. 750 per annum 347 between Rs. 750 and Rs. 1,000 283 between Rs. 1,000 and Rs. 1,500 135 between Rs. 1,500 and Rs. 2,000 285 between Rs. 2,000 and Rs. 10,000 and 24 between Rs. 10,000 and Rs. 1,00,000 the total of persons assessed was 1,894. The assessment in 1871 72 was Rs. 25,870 and the number assessed 1,258 In 1872-73 they were Rs. 21,090 and 750 respectively

The license-tax levied under Act II. of 1878 yielded in 1880-81 a gross sum of Rs. 88,880, and, after deducting the coat of collection, the net produce of the tax, according to the official report, was Rs. 85,685. The incidence of taxation per thousand of the total population was, in towns with population exceeding 5,000, 1262, and the number of persons taxed per thousand 5 while in smaller towns and villages it was only Rs. 144, and the number taxed 1 in 1,000. Judged by net collections, Moradabad ranked twelfth in the North West Provinces in 1879-80 and in 1880-81.

Excess is levied under Act XXII of 1881. The following are the collections for the past five years they show great fluctuations under the items of still head duty and horner-free.—

] (ar	Still-best duty	Distillery fees.	Feet for Renge to sell native or Lag- lish liquor	Drogs.	Madak and chandle.	Ter	Орбиева	Fines and miscella- neous.	Gross receipts.	Gross charges.	Net receipts
1674 77 1577 7# 1575 79 16 9 80	8,797 17 714	80 19 64	5,320 11,928 4,299	5 613	957 998	171 651 40	Ji 19 655 19,959 20,882 21 770	16 47		4,241	Rs. \$1 422 31,926 47,251 45,272 87 918
1980-81	19,216	62	9,5 8	6,103	1 200	31	25,668	4 50	C2,212	4,296	

The sudden fall in receipts in 1877-78 marks very distinctly the character of that year as one of scarcity, if not absolute famins

The practice of smoking chands is said to be lucrensing and the figures

bear out this supposition, but much is doubtless sold

without a license

Charas is said to be the exudation of the flower of the hemp plant collected with the dew and prepared for use as a drug. It is imported by Kabuli merchants and resembles tobacco in consistency. Of the two varieties seld in the district, the Yarkhand is esteemed the better; it is purchased by vendors from the importers at Rs 3 to Rs 4 per government ser, and sold by them at Rs 10 to Rs. 12 per ser. The Bokhara variety is imported at Re 1-8-0 to Rs. 2 per ser, and sold at Rs 6-4-0 per ser.

Stamp duties are collected under the Stamp Act (I of 1879) and Court Fees Act (VII of 1870). The following table shows for the past five years the revenue and charges under this head:—

Year.	Hundi and ad- hesive stamps	Year.	Blue-and-black document stamps	Court-fee stamps	Duties, penal- ties, and mis cellaneous	Total receipts.	Gross charges	Net receipts.
	Rs		Rs	Rs	Rs	Rs	Rs	Rs
1876-77	3,137	1876-77	44,999	1,73,714	874	2,22,724	3,289	2,19,435
1877-78	2,995	1877-78	47,979	1,65,520	515	2,17,009	3,054	2 13,355
1878-79	4,355	1878-79	47,526	1,77,580	130	2,29,591	8,549	2,26,042
1879-80	. 3,738	1879-80	52,062	1,73,343	403	2,29,546	3,337	2,26,209
1880-81 .	4,007	1880-81 .	60,767	1,78,029	467	2,43,270	5,176	2,38,094
				1,78,029				

In 1880-81 there were 6,082 documents registered under the Registration.

Registration.

Registration.

to Act; XV of 1877), and on these fees (and fines) to the amount of Rs 13,738 were collected. The expenses of establishment and other charges amounted, during the same year, to Rs 4,971. The total value of all property affected by registered documents is returned as Rs 31,89,064, of which Rs. 28,81,576 represent immovable and the remainder movable property

Connected with the subject of judicial receipts and expenditure is the number of cases tried. This amounted in 1880 to 16,659, of which 9,792 were decided by civil, 3,671 by criminal, and 3,196 by revenue courts. The following statement shows the number of suits and appeals instituted in the civil courts of the district for four years during the past 20 years:—

Year	1865	1870.	1875.	1880
Number of suits and appeals	6,145	7,743	9,169	9,792

186

From this it would appear that the amount of hitigation has increased by more than 50 per cent since 1865

The medical charges are in great part incurred ut one central and four Medical charges and sunt- branch dispensaries. The first is at Moradabad the others are at Chandausi, Bilári, Amroha, and Sambhal These dispensaries are all of the first class except Bilári which is of the second class (and is solely supported by Rae Kishn Kumár except the pay of the native doctor and Enropean medicines). The total district expenditure on dispensarios was in 1880 Rs 7 270, of which 59 3 per cent. was defrayed by Government, the rest being paid from municipal funds, interest on investments, and subscriptions. The total number of patients, both in-door and ont-door, in 1880, was 83,492, including 225 Furasians, 44,038 Hindée, 88,082 Missimáns and 1,147 other classes. The average daily intendance was 529-04

The most frequent epidemio is small-pox, which makes its appearance almost every year with the cold weather, and continues Epidemics: Small-pox. till the following rainy season. Malarial fever provails every year, in a direct ratio to the amount of Malarial fover the minfall. An unusally severe opidemic of the disease broke ont, at the end of the rains of 1871, in the part of the Sam bhal parganah that adjoins the Sot river The disease seems to have been a quotidian intermittent, followed rapidly by nirophy, dysentery and annearou it also gave rise to enlargement of the sploon. The number of deaths was estimated at 5,000, or about 5 per cent, of the population of the locality where it prevailed The probable cause was the excessive rainfall of that year, which inundated the country, so that the wells were flooded with surface water. In the Hasanpar parganah a similar opidomic, but of a less severe character, broke out at the end of the raisy seasons of 1870 and 1871 The epidemic fover of 1879 80, which followed the last season of scafelty in these provinces, was not so severe in this district as in Meant. Bulandshahr, Eta and Aligarli indeed, the official report of the Sanitary Commissioner for 1880 states that in Moradabad there was no excessive prevalence. The ratio of deaths from this cause was 864 per 1,000 in 1879, as compared with the mean for the previous five years of 23 20 The ratio in Bulandshahr was 113 70 per 1,000 in the same year Choiera opidemics have from time to time visited the district, although it is entaide the didb of the

Cholera. Ganges and Jumma rivers, which has been called "the homoof cholera." A visitation in Angant, 1819, is remembered, and later ones in 1836 and 1856 In 1867, 4,890 deaths were reported from this disease. In

138 NORADABAD

of the present district of Moradaba I

in the Stillement report.

An epdemic of some kind usually breaks out among cattle every third or fourth year. By far the most common is the foot- and month disease called pakks. Rinderpest (which is

hore called bedan), a form of anthrax fever (gurna', and swellings of the belly, leins, menth threat, &c (besedre), are the most important contegious diseases to which cattle are liable. Sheep and goats are also subject to epidemics of rinderpest (laludh), small pox (chechak,) and plenro-pneumonia (phipri). Descriptions, more or less complete, of these diseases have heen given in previous volumes, and for a full account of the various names, symptoms, and modes of treatment the reader may be referred to Dr. Hallen's Alanual of Cattle Disease in India.

The whole of Moradabad, as the district is at present constituted, appears to have been included in the country called Katchr, at History least as late as the Mnhammadan conquest. After that event, when Sambhal and Badann were made separate Moradabad included in Katahr governments, the term Katchr seems to have been restricted, by the Mahammadan conquerors, to the country east of the Ramganga, so that only the strip to the north west, including parts of the pargamats of Thaknrda are and Moradabad, will probably be included in the few references to Katche made by Mahammadan historians 2 Katche as cleasely mentioned, formed part of the great Panchala king lom, which is said, in the Mahabharat to have extended from the Himslayas to the Chambal and in the Panchila kingdom. Its capital was at Ahichhaira, which has been river identified by General Quaningham with Ramnagar in parganah Sarauli of the Barcilly district, and, consequently, was a few miles only from the border

If Alichhatra was a capital city many centaries anterior to the rise of Buddism, as General Cumingham sappeaes, Sambhal may also have been an ancient place of some importance. In sapport of its claim to antiquity has been adduced its mention, in the Bhdyarath purisa, as the spot where the incarnation of Vishan is expected to appear, at the end of the present degenerate age, the hall 1 wya. The quotation bas been translated as follows.—4 "At the time when the space of haman life will be reduced to less than 30 years, when multind will be utterly dishonest, fakirs become worldly, and relations eager to robe each other; 10 s. V., 135, 341, Vi. 428 878, VII. 184.

Ast the very limited extent to which the early limb amadans, were requisited with father are Suppl. 1004. (He mes cilling) rt. Dr. 11, 144.

Tosa V. (Hartilly). *By blidd bhaskar blind quoted

HISTORY. 139

when cows will be made use of his goats, and medicines will have become effectless; when trees will bear no fruit, and rain cease from the earth: then the Nih-kalank¹ mearnation will appear in the world at Sambhal."

But it is hardly necessary to say that, so far as this claim to antiquity rests upon the passage quoted, it must stand or fall with the claim to antiquity of the Puran itself, and, as to this, the opinion of Colebrooke, supported by that of many learned Hindne, was that the Bhagavata Purana owed its existence to the grammarian Vopadeva, and was composed by him only six or seven centuries ago at the court of Hemada, raja of Dava-giri (Deogarh or Daulatabad). Professor Wilson also saw no reason for calling in question the tradition that assigned the work to this writer 2 Apart, however, from this reference, Sambhal has a traditional antiquity, which is in some measure borne out by the different names attributed to it in the four ages (Yug) and by the name, Surathál Lhera, given to a mound on the south-east of the city, which Mr Carleyle supposes to be "called after Raja Surathál, a son of the Raja Satyavána of the lunar race." Besides this, there are other names of ancient mounds near the present town, which will be described in the article on Sambhal. Neither of the famous Chinese pilgrims-Fah-Hian and Hwen Thsang-makes mention of Sambhal, or indeed of any place in this district, but Hwen Thing, about 638 A D., visited both Ahichhatra (Rámnagar) and Govisána (Káshípui), the former in the Barcilly district, and the latter just outside the northern limits of Moradabad, in the Kashipur parganah. From this absence of any mention of Sambhal it may be concluded either that it was not a stronghold of Buddhism or that it was of too little importance to deserve mention.

Who the inhabitants were in the early time concerning which we have Early inhabitants of only tradition to guide us is a question that has per-Katehr plexed all inquirors, and it would be out of place here to reproduce lengthy discussions as to the origin of the various tribes of invaders that swept down on the Gangetic provinces from the north. 4

When Hwen Thrang travelled through Katchi (circ. 638 AD), it was included in the dominion of the powerful Buddhist monarch, Síláditya, whose influence leached from the Panjáb to north-eastern Bengal, and from the Himálayas to the Narbada river, and to whom the title 'a second

¹ Nih kalank, i e "free from reproach or stain" ² Dowson's Class Dicty, p 44.

³ Arch Surv of India, XII, p 24 ⁴ The Hon'ble W W Hunter in his article on India in the Imperial Gazetteer has given a clear resumé of all that is at present worth recording on the subject In Vol XI (Himálayan Districts) of this scries the myths of the Mahábharat and the Ramáyan are discussed.

140 HORADABAD

Asokn has been given, from the vigour with which he practised the two great Buddhist virtues, spreading the faith and charity But, although Buddhism certainly held its away over this tract for many centuries there are no archi tectural remains that can be pointed to as clearly of Buddhist origin. All we can do is to conjecture that in Moradahad, as in the Signs of early civilization. neighbouring tracts, there were highly-developed Aryan communities existing before 1,000 A P Of Ahishbatra and the other ancient cities in Barelly-the ruins of which remain to this day as evidence of their former greatness-full descriptions have been given in a previous volume, 1 These lay to the east of Moradabad On the north we have seen that Kashipur (Govisana) was a place of some importance when Hwen Thrang passed through it. It had a circuit of 21 miles, and was surrounded by groves, tanks, and fish ponds.2 On the south west, neross the Ganges, was the ancient city of Ahar, eard to occupy the site of the "Knndilpnr" that belonged to Raja Bhishmak in the time of Krishne, whence Krishna carried off his bride Rukminu. About the same distance (7 or 8 miles) south-west from Antipshahr as Ahar is north, was the very ancient city of Indraphra, the runs of which have recently been explored by Mr Oarleyle, resulting in the discovery of ancient coms and other remains of the Greek and Boddbist periods.4

What became of these civilised communities, and how the so-called aboriginal races-the Ahirs or Ahers and perhaps Aborigines chiefly Ahira. others-rose against the invaders and reduced the tract almost to n desert, are questions upon which little light has yet been thrown Dr Hunter, writing on this subject, same up our knowledge (or want of knowledge) of it by saying that, "proceeding inwards to the North-Western Provinces, we everywhere find traces of an early Buddhist civilisation having been overturned by rude non-Aryan tribes. 5 But the relapse into barbarism was apparently of short duration, as various tribes of Rainnt Rájput invasions. invaders came into the country and effected settlements, both before and after the Muhammadan invasion of India. Mr Alexander thinks that the carliest Rajput invaders of the district were tho Tomara. Tomars, who, coming in 700 A D, are said to have made Sambhal the seat of their severeignty. The aberiginals whom they 1 Gaz V (Barellly).

1 Cunningham a Asc Geof Issler 657

1 Rep. Arch. Sorv., VII., 27

1 Issler, Dubandahar district by Bir F S. Growse in Journal As. Soc., Bergal, XLVIII., pp 3.0-76

2 Imp Gaz, IV, 318; also see Shreting a Hindu Carlet and Tribes L. p. 661, Gaz V (Barellly), Arch, Surv., VII., 27 et zer

subjected or expelled are variously called Ahirs, Bhils, Bhars and Cherús, for, although attempts have been made to assign to these tribes particular tracts, it is probable they were intermixed. The Tomar dynasty seems to have lasted here till about 1150 AD, but its authority was never complete, the Ahirs or Ahers (for it is doubtful if these were one or two distinct tribes) retaining considerable power in the neighbourhood

"At the time when the historic period begins," writes Mr Alexander,

"the Chauhans had just got the best of the Tomais in
the struggle for the sovereignty of the upper portion of
these provinces, thus preparing the way for the Muhammadan conquest, and
in about 1180, the celebrated Prithivi Raj, a Chauhan, but born from a Tomar
mother (daughter of the last Tomar king), ascended the throne of Dehli. He,
probably in view of the Muhammadan troubles, built a strong fort at Sambhal,
on the site where the tahsili now stands, and established another at Amioha,
which is said to take its name from his sister, Rani Amba and this is the first
historic mention of both these places, though very probably they were inhabited
at a considerably earlier period.

"Between 1185 and 1195 the quarrels between Prithivi Ráj and Rájá Jai Chand of Kanauj,—culminating, according to local tradition, in a great battle just outside Sambhal, in which the latter was routed,—destroyed the forces which the Hindús so badly needed, to meet the invasions of Shaháb-ud-dín Ghori. The latter promptly took advantage of this opportunity, and falling on the two rivals, routed them one after another; and thus destroyed the Hindú monarchy of the Rájputs, which had lasted about 500 years."

The traditions of the Baigújar clan have been noticed in the account of the iája of Majhola's family (vide supra p 66), whose iemote ancestor, Partáb Sinh, a relative of Prithivi Ráj, is said to have founded a principality, by a judicious alliance with the Dor rája of Baran (Bulandshahr). Part of Moradabad was apparently included in the Dor kingdom, which extended, according to Mr Growse, from Meerut to Muttra. The last Dor iája of Baran was killed while defending the fort at that place, against Shahab-ud-dín Muhammad Ghorí, in 1194.

Sambhal and the immediate vicinity were in mediæval times the scenes of numerous battles Besides that between Prithiví Ráj and the rajá of Kanauj already mentioned, tradition tells of a famous battle between Prithiví Ráj and the

¹ Mr Alexander, in a footnote in his Settlement Report, says —"The Ahers are now considered different from the Ahirs, and as agriculturists rather than graziers, but both are probably descended from the same ancestors." Both are again distinguished from the Ahars.

141 HORADABAD

rájá of Mahoba, the site of which is said to have been south of Sambhal, close to the Bahganga, and the date 1049 A D. The legendary account of this ovent attributes it to the wish of the rájá of Mahoba to seeme the hand of Prithivi Ráj's daughter for his son, and the condition fixed by her father that their armies should first meet in hattle. The legend proceeds to state that two battles were fought, in the second of which the son of the rájá of Mahoba was killed and the princess—who appears to have been married to this son after the first battle, but not to have left her father a house—ascended the funeral pyre and became sate. Frequent engagements took place in the neighbourhood during the Musalmán invasions, and in the troublous times that followed At Sháh bárpur, five miles east of Sambhal, an annual mela orfair, known as the sata (spear) of Sálár Ghází, is held on the banks of the Soi, and commemorates one of the hattles fought between Prithiví Ráj and the Musalmáns under Sálár Mas fid Ghází.

The Muhammadan conquest of Samhhal seems to have been effected by Period of snarchy suc. Kuth ud-din Arbak, but this was not a permanent and ceeds. complete occupation of the country. All that seems to have resulted was a removel of the only strong Hindú power, causing a state of auguchy in which all kinds of petty chiefs usurped supreme anthority in different localities. This seems to have given the Ahirs an opportunity of spreading over the country, and occupying Barelly (which was called Tappa Ahiran), during this contury

A little later the Katchrias first came into notice Their exnet origin is uncertain Mr Moons, in his Barollly settlement Bise of the Katchrias report, gives a long account of the various traditions, and seems to held that they were a remnant of the Surajbanals of Ajudhia who were driven out of that country when the Aryan invasion was pushed back by the aboriginal races. Between the latter event and their appearance in Robilkhand there must, however, be a gap of several hundreds of years, and it is, in fact, more conjecture as to who they really were 1 It seems probable that they came with real or pretended authority from the Muhammadans to seize on the country occupied by the Abirs or Ahers; and the history of the next hundred years is merely un account of their uttempts to assert their independeuce, and of the incursions of the Muhammadan troops to vanquish and resubject them From the extracts given by Mr Moens, it seems that the name Latche was ut that time confined in the country east of the Ramgauga; that to

Another account makes them come from Estehar near Benares, vide Sudnjanduren, p. 72.

the west being called Budáun, Sambhal, and Amroha, in each of which places there appear to have been a Muhammadan governor and a garrison.

The exact limits of Katchr in the time of which we are writing (that is, at the commencement of Muhammadan rule) have been described, as far as the materials available permitted, in the Sháhjahánpur notice According to Mr. Moens¹, the first mention of Katchr in Muhammadan histories is by the author of the Tabakát-i-Násiri, who mentions that "in the minth year² of the reign of Násiru-d dunya wau-dín Mahmúd, one of the slave kings of Dehli, the royal army crossed the Ganges at Miyápur³ and continued its march along the base of the hills to the banks of the Rahab.⁴ In the course of these hostilities 'Izz-ud-dín Daramshí was killed at Tankala-bálí.⁵ In revenge for his death the Sultán ordered an attack to be made on Káíthar (Kaithal) on Monday, 16th Safar, such that the inhabitants might not forget for the rest of their lives. He then marched to Budáun, and arrived there with great pomp and display." ⁶ Mr. Moens has given good reasons for identifying the Káíthar of the above quotation with Katehr.

But of this and of the next Muhammadan invasion of Katehr (by Ghíás-ud-Muhammadan invasions.

dín Balban in 1266), sufficient has been said in the Barcilly memoir. Nor need we occupy time and space in repeating the references in the histories to various expeditions in Katehr undertaken between 1266 and 1345 A.D. (most of which have been already mentioned in previous memoirs), as none of them were of special conse-

Sambhal invaded. quence to this district. In 1345, however, Sambhal itself was invaded by a Muhammadan force from Oudh, which speedily crushed the attempt at independence that the governor of Sambhal seems to have made.

Firishta tells us that, in the reign of Fíroz Sháh Tughlak (about 787H. or 1380 A.D.), "the king appointed one Malik Dáúd, an Afghán whom he exalted to a very high rank, with a body of troops, to remain at Sambhal, with orders to invade the country of Katehr every year, to commit every kind of ravage and desolation, and not to allow it to be inhabited until Kargú (a murderer of three Saiyads) was given up. The king himself, also, under the pretence of hunting, marched annually in that direction until the year 787 H, to see that his orders were fulfilled and to do what Malik Dáúd had left undone, and for six years not an inhabitant was to be seen in the district, nor was a single

¹ Bareilly Settlement Report, p 24
² A D 1254 (not 1552 as Mr Moens states).

³ Mirzapur according to Mr Moens, but probably Máyapur, in Saháránpui — vide Gaz V, 648.

⁴ Identified with the Rámganga — Dowson's Elliot, I, 49

⁵ Oi Takiya-mání.

⁶ Dowson's Elliot, 363

⁷ Gaz, V., 649

parfo of the land cultivated '1 A few years later (1896) we read that the Amirs and Maliks of the ontlying territories, such as Sambhal, "set themselves up as rulers at their own pleasure, and kept all the wealth and revenue in their own hands." In 1407 Asid Khán Lodí was besieged by Ibráhím Sháh, the famous Sultán of Janpur, in the fort of Sambhal On the second day he surrendered and the fort was given to Tátár Sháh. The occupation of Ibráhím's lientenant lasted only a few months, as Tátár Sháh (or Khán as he is otherwise called) vacated it on bearing of the Sultán Muhammad Taghlak's return, and on the latter's re-entry the fort was restored to Asad Khán. In 1419 Khizr Khán marched against Katehr, and scoured the jungles of the Rahab (Rámganga) and of Sambhal'

The result of all this fighting and wasting of the country seems to have The whole country a been that the whole country between Samhbal and Bardan, and Budáun, and Bardan and Bareilly, was a mere waste by the time of Timur After his invasion the Katehrians seem to have re-commenced asserting themselves under Nur Sinh, and maintained a pretty equal struggle for about 30 years, till they were crushed by Saiyid Mubérak Shéh in 1424. In 1475, in the time of Bahlol Lodi, Sambhal appears again to have fallen into the hands of the Jaunpur king (Husain Sultia), but this could only have been for a very brief period, as the Jaunpur kingdom itself was re-annexed to the Debil empire in 1476. His successor, Sikandar Lodi, made his court at Sambhal for some years. The country, however, did not have much rest, as the Minammadan governors of Sombhal seem to have been constantly revolting, and the royal troops as constantly marching against them

Bábar, in about 1625, made his son, Humáyún, governor and jágladar of Biber's accession brings Samhhal, and at this time the country inmediately some prosperity, as it is moutioned in Badauni that the zámíndars had been persuaded to cut down part of their jungles and to pay in revenue. Bábar himself seems to have visited Samhhal, and the Hindus state that it was on this occasion that a temple of great antiquity, known as the Harmandir, was converted into a mosque under the title of the Jáma Majid. From an inscription it appears that it was converted by Mirza Hindu Bog under Bábar s order in 933 II.

1 Firithia la Dowsna s Filict, VI. 319, and Drigg's Translatio L. 457 * Tardis i

1 Tiribita in Dowson a Fillot, VI., 219 and Driege Translation L. 487. Toribit in Bowson a Fillot, VI., 219 and Driege Translation L. 487. Toribit in Bowson a Fillot, VI., 239. The L. 1 Lidot, P. 1

(1526 A.D.) Sambhal is said to have been Humáyún's favourite residence till 1532, when he succeeded Bábar as emperor.

During the troubles with Sher Shah and the struggle that ensued before Increased power of the Humáyún was restored, the Katehrias seem to have recovered power, for in 1553 Rája Mitr Sen Katehria was acting as governor of Sambhal. Akbar, however, on his accession made over the jágir to Mirza Muzaffar Husain, and though the latter seems never to have interfered with Mitr Sen, a new governor, Mubáriz Khán, some years later, defeated and ejected him. The chief seats of the Katehrias seem up to this time to have been at Lakhnaur in the Rámpur territory, and at Kábar and Aonla in the Bareilly district. They now seem to have established themselves at Bareilly and Chaupala, the

During the reign of Akbar the country seems to have had some peace, and it was at this time that the revenue divisions (of which an account has been given in Part I.) were constituted. In about 1573 the saikai was troubled by the revolt of Ibrahim Husain and others, who were of royal blood and had received jágirs in the western portion. They tried to seize on Sambhal, but were defeated by Husain Kuli Khan, the governor, who chased their followers out of the district. After this there seems to have been complete quiet for over fifty years.

latter pretty nearly corresponding with the present site of Moradabad 1

In 1625 A D. Rustam Khán 'distinguished by the name Dakhaní) was Moradabad city founded, commissioned by Sháhjahán to humble the local rájá, Rámsukh, the head of the Katehria Rájputs. The latter had incurred the emperor's anger by his tyranny over his servants and by his making an inroad into the Tarái, of which the Kumaun rájá had complained. This resulted in Rustam Khán's acquiring possession of the Katehrias' fort, more, it is said, by fraud than by force. After expelling its former owners, he proceeded to found a fort of his own close by, and to build a mosque ² Summoned hurriedly to Dehli, to explain why he had exceeded his instructions in killing Rájá Rámsukh and expelling his family, he was further questioned in a severe tone by the emperor as to the name he had given to the new colony. Rustam Khán, with a laudable presence of mind, replied "Moradabad, in honor of the young prince;" he thereby turned away the emperor's wiath, receiving,

¹ Mr Alexander's Settlement Report In Ganga Parshad's notes mention is made of a buttle fought at Kundarkhi, in 1555 AD, between Raja Mitr Sen and Ahya Maran, the local governor. But according to the same authority the governor was himself a rebel Little confidence can be placed in the accuracy of such statements derived from tradition, unless verified by references in the histories ² An inscription on it gives the date 1046 AH (1629 A.D). see the article en Moradabad (infra), where the inscription will be found

instead of punishment, his gracious approval, with permission to return as 'nasim' to Moradahad. He apparently held this position tall the reign of Aurangzeh, when he was killed in a chirmish. Montion of this fact is made in the Ale, where we also read that Samhhal and Moradahad were conferred upon prince Dára after his submission, "as Rustam Khán i Dakhaní, the former jágírdár, had fallen at Samogar".

Later references to Moradabad in the histories are as follow. In the fifth Beforences to the dis-trict in the histories, 1715— year of the reign of Farrukhsiyar (1715 A.D.) Nizamu I mulk Bahadar Fathjang (known, previous to his ap-1746. pointment at sibadds of the Dakhan, as Ohin Kalioh Khan) had the office of fauyder (commander) of Moradabad conferred upon him, and was despatched to quell the disturbances that had arisen there * He was, however, recalled in 1718. after "he had chastised the robels and restored the district to peace and secu rity "4 In consequence of court intrigues, his jdglr was taken from him, and the name of Moradabad changed to Ruknábád. It was erected into a distinct saba, and conferred upon Rukun d-daula I'thkad Khan, to whom also was given the waxirship which Nixemu I mulk expected in return for his envices I tikad Khan was however, a nominal governor, never leaving the palace at Dehli, where he seen experienced the vicisatudes of fortune that overtook his patron. During the interval hetween Nizamn I mulk's recall and Azmat-ulla Khan's appointment, the Katéhruss appear to have recovered their power, and it is said that the seat of the local governor was removed from Moradabad to Kanani

In 1726, however, we read that "Shaikh 'Azmat-ullah Khán, governor Azmat-ullah governor, of Moradabad and Samhhal, was sent with 15,009 horses and 12 elephants to quall an insurrection in Kumaun, headed by Sáhir Sáhir." That person had persuaded the rájáof Kumaun (Dobe Chand) to believe in his claim to be a prince of the house of Timúr, and to give him orders on the functionaries believ the hills, at Káshipar and Rudarpur, to collect troope and treat him as a member of the royal family. No less than 40,000 Rohillas, it is said joined his etandard, but Azmat-ullah, in n engle attack, dispersed thom "

In the account of this exploit we are first introduced to the famous Daud The Rehilles: Daid Khim. Khin, the adoptive father of the still more renowned Ali and All Mahammad. Minammad Khin, the Rehill chieftain It was during Nadur Shahe invasion of northern India and the subsequent paralysis "Mr Alexander esps "ill about 1670 "Downson to Daid VIII., 460." Downson & The Chieft Libed, Illest, in Downson & Ellict, VIII., 463. The Chieft Illest, in Downson & Ellict, VIII., 463.

that fell upon the Imperial Government, that Ali Muhammad succeeded in making his boldest advances, and he had been previ-Rise of Ali Muliammad. ously joined by Rahmat Khan, another rising leader.1 The severities of Nádir Sháh and the disorders that followed on his plunder of Dehli, in 1739, drove many Afghans to take service with Ali Muhammad. A writer in the Calcutta Review 2 thus describes his rise -

"His first important step was to take possession of Richha and some neighbouring parganalis (in Barcelly), by availing himself of the absence of all authority to oppose his attacks plaints of these usurpations were made to the nawab wazir by the jagirdars, and a Hindu of some eminence, rain Harnand by name, was appointed faujdar of Moradabad, with orders to expel the Afghans from that country. Raja Harnand came to Moradabad, and was there joined by Abdu-l nabí, hákim of Bareilly Ali Muhammad evaded, without refusing compliance with, the fauidar's demands for homage and tribute, and in the meantime, collecting his troops, prepared for war (1742) Abdu-l-Nabi counselled prudence, but Harnand, who was a violent and precipitate man, rejected his advice, and marching from Moradabad at the head of 50.000 men.

encamped at Asalatpur Jarai, a village on the banks of the Aril Defeats the royal troops, 1742 nadi in the present parganah of Bilári There Harnand, who was a blind believer in astrology, and who lind been told by his soothsayers that the day of the battle had not yet arrived, amused himself in drunkenness and debauchery Meanwhilo Ali Muhammad. at the head of only 12,000 men, advanced swiftly from Aonla and encamped at the village of Fatchpur Dál, which his also on the banks of the Aril and about two miles south east of Ashlatpur Járai His dispositions were carefully made Rahmat Khán commanded the advanced force of 4,000 men, All Muhammad himself the main body, Dimolf Khan (the first cousin of Rahmat Khán) the right wing, and Páinda Khán the left. Then, taking advantage of the sloth of his opponent, he fell on him at night time. Rahmat Khan and his troops penetrated to Har-

The Imperial Governor is killed

had acquired by the defeat of Harnand

naud's tent before they were discovered Harnand and his son. Moti Lal, were slain and their troops dispersed. Abdu-l Nabi and his brother, bravely trying to retrieve the honour of the day, fell fighting, and the rout was complete. After the victory Ali Muhammad possessed himself of Results of the victory Sambhal, Amroha, Moradabad, and Bareilly. He tried to soften his conduct to the wazir, but the rebellion was too flagrant to pass unnoticed, and Mir Manu, the son of Kamr-ud-dín, was sent with a considerable army to chastise him. Mír Manu encamped on the banks of the Ganges at Darauagar, where there was a tortuous and difficult ford. Ali Muhammad, with a superior force, watched him from the opposite bank, but neither dared, in the face of the other, to cross the river All Muhammad took advantage of the delay so to work on the mind of Mír Manu that an understanding, very favourable to Ali Muhammad, was come All Muhammad's daughter was given with a considerable dowry to the wazir's son, and Ali

"It was about this time that the countries occupied by the Afghans began to be known as Rohilkhand, from the name Rohilla, applied to an Afghan, masmuch as he came from a mountainous country, and in the Persian ráh signifies a mountain. Shortly after this Ali Muhammad acquired Pilibhit from the banjaras"

Muhammad himself was, on condition of paying a certain tribute, confirmed in the territory he

¹ For some account of this chief, see Gaz, V, 653.

² Art. "On the Ruhela Afghans"
R S W.

³ Ganga Parshad gives their names as Hira Nand and Moti Ram, They were by R S W. Khatris by caste.

148 HOBADABAD

In 1743 Ali Minhammad successfully invaded Kinmaun, and rented it to the All hinhammads cap. raja of Garhwal. Three years later, however (1746), Safture, 1746.

dar Jang, subadar in Ondh, cansed a quarrel to be picked between some of his men and Ali Minhammads, with the view of inducing the emperor to out down the growing pawer in the Rohillas. Ali Minhammads capture was effected, and for six months (according to one account) he remained a close prisoner of Dehli. But Rahmat Khán and others of his friends made a sudden appearance at Dehli with some 6,000 troops, and intimidated the emperor into releasing Ali Minhammad and bestowing on him the faugdari of Sirhind This he held for a year. leaving, however, his two sons as hostages at Dehli

We have passed rapidly over the account of Ali Muhammad's capture, but it may be noted that the emperor, Muhammad Shah, took the field in person against him, and marched to Samhhal. Ali Muhammed fled to the fort of Bangarh, seven miles north of Aonla, and stood a siege there. His life was saved, apparently by the good services of the wasir, Kamr nd-din, to whom he wrote hegging for terms. These were refused, but on his throwing himself unconditionally on the emperor s mercy, his life was spared, and he was merely kept a prisoner at Dehli intil released by reason of the bold attitude of Rahmat Khan and the other confederates referred to above. During Ali Muhammad's absence in nominee of the omperor s, Farid and din, son of that Asmat-ullah who had been Ali Muhammad's early patron, was oppointed governor of Moradabad, and the Rohillas wore forludden by preclamation to cross the Ganges or opproach Dehli. On the death of Farid-ud-din, one raja Chair Bhuj was appointed governor.

Returns to Robilkhand, but the sons of Ali Muhammad, who had remained as hostages, fell into the Abdáli s hands, and were carried off to Kandahar. This gave Ali Muhammad the epportunity of returning to Robilkhand, where he was joined by his hid retainers, and soon regulated his former possessions. The emperor, Muhammad Sháh, dying soon afterwards, Ali Muhammad succeeded in obtaining recognition as governor of Robilkhand. He now turned his whole attention to a proofting all the old official and zamidars, replacing them with creatures of his own. One of these who were thus extirpated was

^{*} He! Id to have been brought before the emperor with his hands ited in a bandkerebiel. All his property we conficuted. The account of the transaction, given in the lift of II 0.1 Rahmat Khan, pl. a diff ret complixion upon it. There All Mahammad is represent das as in gravale an bono rabe peace rather than as uncoudlifous surrender. Introduced by hi class man Kálm Khá hol saul to have presented a ser r which we accepted, and a role f showner with the apportunent (0 bedder of birkind, was at once gi can blim—(fee laribe B y A Y widsa), p. 435.) (4 ang i a shad who, given or does he are what became this governor on All Muhammad's return.

* April, 1748 A.D. (16th Rabines-Sd i A.H., 1161)

HISTORY. 149

Thákur Mahendar Sinh, of Thákurdwára, after whom that parganah was named. But on the 14th September, 1848, Ali Muhammaddied, and Rahmat (or, as he is Death of Ali Muhammad often called, Háfiz Rahmat Khán) succeeded to his authority, under the title of regent for Ali Muhammad's children. Under him the Rohillas extended their encroachments farther than ever, and they became a source of diead to Safdar Jang, súbadár of Oudh, who was also wazír of the new emperor, Ahmad Sháh. But cupidity was mixed with dread, and Safdar Jang was far from wishing to conciliate, but rather desired to crush, the Rohilla chiefs, and add Rohilkhand to his Oudh domains, which would give him the Ganges for his south-west frontier.

The long struggle between the Rohilla confederacy and the Oudh wazirs beStruggle between Rohillas and Oudh wazirs, 1748
-1774
longs to general history So do the invasions of the Marhattas, who were originally called in by Safdar Jang to
prop the waning power of the empire, but who soon found it more to their advantage to turn against their employer. The complications by which the Rohilla
chiefs became bound to Shujá-ud-daula, the successor of Safdar Jang, for payment of the historical indemnity of 40 lákhs, have been sketched in the Bareilly
Marhattas arrive to notice The Marhattas to whom the indemnity had been

Marhattas arrive to notice The Marhattas to whom the indennity had been claim 40 lakhs in 1773 guaranteed, returned in 1773 to demand payment. Their force seems to have advanced along the right bank of the Ganges till they got to near Ahar, where they crossed and attacked Sambhal, which they quickly took and plundered. They then spread over to Moradabad, laying waste the country all round, but, hearing that Shujá-ud-daula and Háfiz Rahmat had joined, and were advancing against them with an English force, which had been furnished to the former in accordance with the treaty made after the battle of Baxár, they retreated, pursued by the allies as far south as Etáwa

Claims of Shujá-uddaula against Háfiz Rahmat

feeling by demanding from Háfiz Rahmat the payment
of 30 lákhs, due to him on the bond which he had
taken from Háfiz Rahmat, when he guaranteed payment of the 40 lakhs to the
Marhattas. Háfiz in vain pleaded the fact that Shujá-ud-daula had incurred no
expense, the Marhattas having been got rid of without any payments except
those Háfiz had himself made as earnest-money Shujá-ud-daula was eager to
attack him, having secured the services of the English force, and having also
succeeded in winning over many of the principal chiefs amongst Háfiz's followers. Accordingly, on the 23rd April, 1774, a battle took place at Míránpur
Katra in the Sháhjahánpur district, in which Háfiz was killed and his army
routed and dispersed. After this the country was rayaged far and near by

50 HOHADABAD

hujá nd-danla s troops, till some months afterwards a peace was patched up with Faiz allah Khau, the second son of Ali Ma Shuji ud-daula nomiates a governor for Mohammad, securing him a considerable jágár, hat leaving adabad. all the government of the country in Shnja-ud-danla s hands, who necordinaly commated governors to Bareilly, Moradabad, and Etawa. This treaty was nown as the treaty of Ial Dhung, and was agreed to on October 7th, 1774 The first governor thus named to Moradubad seems to have been Asálat Khán. who was succeeded by Chandhra Mahtah Sinh Bishuof, and under these men the listrict seems to have enjoyed a respite from the evils it had so long suffored Barcelly and Rampur were, however, less fortunate, houng the scene of the last contest between the Robillas, under Faiz ullah s son Ghulam Muhammad. and the forces of the wazir Assf ud-daula (who bad succeeded his father Shuja ud douls in 1775) In this contest Ghulam Muhammad was captured, and the family jagir, reduced considerably, was made over to Ahmad Ali, son of

Feir ullah s oldest son, whom Ghulám Muhammad had murdered ³

Opposition was now at un end, but the dinuls to whom the revenues were Micraide condition of now farmed seem to have harassed the country very nearly as much as the predatory troops who had so often passed over it before, and in 1799 (as Mr. Moens shows) a large portion of Rehillshand was a mere desert

Asaf ud-daula had died in 1797, and after n brief interval, during which

Asif ud-daula is a sac Waste Alt (afterwards displaced as illegitimate) ruled,
ceeded by 8a dat Alt. was succeeded by 8a dat Alt. It was during this
nawab a rule that Air Tonnant made the journey through Robitkhand, the im
pressions left by which have been quoted in a previous volume. They were
written in February, 1799, and given deplorable picture of a wasted province.

Dr. Hamilton, in his Gazetteer (1828), says that the tract of Robitkhand was in highly flourishing state while under Pathán rule, and probably that was the
opinion generally held during the early years of our rule. It may be doubted,
however, whether, in the fuller light thrown upon the history of these districts
during that period, we should not moderate this description. The failing-off
he ntirbuted to the long-continued series of invasious chiefly by the Marhattas,
which had "caused a revolution in ngriculture, besides occasioning the destruction of a large portion of the inhabitants and of their dwellings."

This cool sted (according to the writer in the Calculus Review) of parganahs Rimper D jepu Ajion Thakenhaira (the Sik is, Bishhaba) thaum hi and Sirias in. The lord in test rid in the silicant and I till was dought a six the declar 1 st between Green S. It best their mines at the partners of the six of the

HISTORY. 151

The annexation to British rule took place in the end of 1801, Moradabad The cession to the East being one of the districts ceded to the East India Company pany under the treaty made with Sa'ádat Ali, dated 10th November of that year. That the transfer was effected without disturbance arose probably from the feeling on the part of the people that any change of government must be for the better. The charges of misgovernment brought against the nawáb wazír by the governor-general included those of not providing a judicial administration for the protection of life and property, and of arbitrary and excessive exactions pervading the whole revenue system. As the result of these abuses, many of the inhabitants had emigrated to Rámpur or to the Tarár, and in consequence large tracts of country had fallen out of cultivation

The first British officer appointed to the charge of the district, Mr. W.

Early arrangements

Leycoster, united in himself the functions of judge, magistrate, and collector of revenue. With British rule was introduced the system of land-settlements, made at first for three years, but afterwards gradually brought to the term of thirty years. But the district was not destined to enjoy uninterrupted peace, for in 1805, while the English army

was occupied in the siege of Bhaitpur, Amír Khán Invasion of Amír Rhán. the freebooter, 1805 (or Mír Rhán) availed himself of the opportunity to make an incursion into his native province of Rohilkhand for the purpose of plunder. This man was a Rohilla freebooter, born and bred at Sambhal in this district, who had taken service with Holkar, and was now sent to create a diversion in his master's favour 2 The account of his crossing the Jumna into He marched straight to this district has been told in the Bijnor memoir Dhanaura, the next morning to Amioha, and the following night to Morad-But he met with more resistance than he might have expected from pievious experience. Mr. Leycester, the collector, shut himself up in the court-house built by himself, and capable of being defended against such a force as Amír Khán led. The latter had taken up a position at the Phágal gate, which was close to the house now occupied by the telegraph office.

Is kept at bay by Mr. Leycester kept him at bay with two small field-pieces Leycester. fired from the roof 3 Amíi Khán stayed three days, appointed a kotwál (city police officer), and plundered certain of the people to the extent, it is said, of three lákhs of rupees 4 The Government treasury was,

¹ Vide fiscal history supra ² For a further account of Amír Khán, see Gaz, V, 356 ⁸ Ganga Parshád ⁴ Ibid The same authority states that the town was saved from plunder by an advance of supplies to the invaders made by Khushhál Rác, a banker of the town, under secret orders of the collector For this service the banker is said to have received a grant of land and the office of Chaudhri of Banias

152 MORADARAD

however, saved ond any further designs he might have carried out were ont short by the news of General Smith a rapid approach. He fied to Kashipur, which he plundered, and advanced along the foot of the hills into the part of Morada abad which was afterwards constituted a separate district as Bijnor rest of his exploits have been detailed in the notice of that district, and it is sufficient to state, that be doubled back upon Moradabad city made forced marches and countermarches through Sambhal, Chandausi, and Amroba was pursued by General Smith and Captains Minrray and Skinner and was niti-

Betreats across Ganges.

mately chased across the Ganges (12th March, 1805) His enhancement history does not concern this district, but it may be mentioned that he succeeded in obtaining recognition, by a treaty

with the British, of his rights as a conqueror and thus, from a leader of bandits, was converted into the prince of a native state (Tonk in Rajputana), which his descendants hold, with the title of nawab, to this day's

This invasion of Amir Khan s, coming so closely on the great famino of 1803, still further reduced the people to destriction; Famine of 1803. Bands of robbers infest the district up to 1814. and up to 1809 formidable bands of gang robbore overran the district, the leaders of which were more

ontitled to the name of rebels than robbers, their strength and means of resist ance keeping the ordinary police establishments wholly at bay Meny of the gange had subsisted in Robilkband long prior to the cession, and the command regularly descended in the leader s family Of one such gang it is stated that. mounted on good horses, its members out their way through a detachment of British troops sent to approhend them The perfect knowledge they possessed, from long practice of the intricate jaugles and of the numerous fords of the Ganges enabled them to cross that river and return without melestation. The inhabitants were so terrified by the fercelty of their vengeance, that they could not be induced to assist in their capture by informing the authorities of their movements. One gang, consisting mostly of Jats, unmbered upwards of 400 mon By the great exertions of the British magistrates, and more especially of Mr Oswald, these bands had been nearly extirpated by the year 1814 handittl wore recruited chiefly from Jats and Ahirs, with a few Mewatis and others who from poverty or love of plander, joined their ranks. To a large extent the proximity of native territory (Rampar) festored this system of brigandage by affording a ready asylum to the gange. The Mewatt and Ahir tribes dwelling on the north west border of the district had long been accustomed to make predatory descents on the plains, ravaging the country, pillaging 4

¹ See Male Husbry of Ind a VIII., 191 and Imperial Casetteer (Town).

the hamlets, and driving off the cattle. The insalubrity of the jungles, and the ease with which these marauders could scatter themselves when the alarm was given, rendered the use of military force ineffectual to prevent their inroads. Mr. Seton, one of the early collectors, is said to have tried the plan of conciliating the chiefs by assignments of lands and grants of money, as a reward for protecting the country from plunder. At first they accepted the unusual occupation with reluctance, but appear gradually to have become attached to it 1 When this subsidizing system ceased is not recorded, but it has not been in force at least since the mutiny. Similar difficulties faced the early administrators of the neighbouring districts, and espe-Contemporary events in Bareilly. cially in Bareilly. Indeed, the rebellion, in 1806, of

Mán Sinh and Bhajjá Sinh, Jangháia zamíndárs of Intgáon, in Bísalpui,2 was a good illustration of the general state of the country at that time 3

In Moradabad, events, thenceforward to 1840, were of a peaceful character, having reference to the fiscal arrangements of the Riots in 1840 district, already described The famine of 1837 has also been mentioned in a previous part of this notice. In 1840 a riot between the Hindú and Muhammadan residents of Moradabad resulted in the death of 14 persons. In 1853 a not again occurred, this time And in 1853. between the Sunnis and Shias; a procession of the latter sect, headed by the native deputy magistrate, was attacked by a body of Sunnis, and some loss of life followed; among the rest, the originator, Mír Nawáb, was killed.

Nothing further worth recording happened till the Mutiny. To that eventful period we now turn, and it is satisfactory to learn Mutiny and rebellion of 1857-58 that the district suffered little from its effects, the very memory of the events which took place only some 25 years ago having almost faded from the minds of the ordinary cultivators who form the bulk of the population 4 Compared with the Maihatta raids, and the state of continued terror to which, during the last years of the eighteenth century, the countryfolk were reduced, the short period of lawlessness that intervened during the mutiny was of little account, and made less impression than it would have done, had no such previous times of anarchy been remembered. It happened, too, that some degree of authority was preserved during the interregnum, for Muhammad Yúsuf Alı Khán, nawáb of Rámpur (who had succeeded to the title in 1855), was invited to take possession of the district on the departure of the British

¹ Hamilton's Gazetteer, II, 247 (quoting Lloyd, Oswald, Sir E Colebrook, E. Guthrie),
² Now part of the modern district of Pilibhít

³ Vide Mr Moens' Settlement Report

⁴ Mr Allexander's, Settlement Report, p 42.

154

officials. This he did, and nominally retained possession from 24th June, 18571 till our return in April, 1858. The onthreak in Moradabad was not necompassed by that indiscriminate slaughter of the European residents that merked the mutines at Meernt, Barcilly, Shahjahanpur, and other stations. It will be seen from the following narratives that all the civil and military officers and their families were able to escape to Meernt or Naini Tal, and only a few, who reck leasly refused to move, suffered indignity, imprisonment, or death.

In May, 1857, Moradabad was garrisoned by the 29th native infantry and Garrison of Moradabad and civil authorities in collector, Mr O B Saunders, and the joint magnistrate, Mr J J Oampbell, had only recently joined their posts but the judge, Mr (afterwards Sir) J O Wilson, had been for many years in the district, and in the events that followed took the leading part. Besides these officers, there was a civil surgeon (Dr Caunon) and other sub-

ordinate civil officials, some of whom will be mentioned hereafter

Rumonrs that not an Englishman was left alive in Moorut reached Morad-News of Meerut cut abad, which is 71 miles west of Meerut, on the 12th; break reach Maradabed on and on the morning of the 18th positive and anthentic information of the massacre and onthreak was received That day, with the consent of the officers, Mr Wilson wont into the lines, and conversed freely with the native officers and men of the 29th native infantry. They listened nitentively and a great majority of the regiment was thought to be in favour of peace and order. Notice was served to all soldiers on leave to come in, and do doty with the Moradabad amborities.

On the 15th, the Mecrut dal of the 13th did not arrive, and the cause

Friday May 15th.

Assigned was, that the Gdjars of the Mecrut district
had closed the high road between Mecrut and Garb
maktesar On the same date pressing letters were received from the Socre-

muktesar On the same date pressing letters were received from the Socretary to Government, North-Western Provinces, Agra, to the offect that 800

This is the date of Abdul All Khins second arrival in Binardshad, after the departure of the Barelly brigate. Abdul All Khins as the uncle of the Kawib of Bampur, and was rean by the latter to estable h sathority. For the multip shistory of Moredands we are indebted to the printed narrative by the late Sir J. C. Wilson and to three manuscript marratives. Of the latter not stable as written by Captain Faddy a nofferer of the 5th native infantry regiserat (stationed at Moradabad at the time of the outbrist) and contains a eccount of events up to the except of the officers and their families; the second is an official table of events arranged chrosologically and compiled by Mr. R. Il Dunlop officiating magistrate of Moradabad, in Norember 1823, and the third is a native narrative written be 1914 by 1836 Gausch Parabid which is characterized by Mr. Dunlop as a faithful and interestly at high profits account." This native writter was a transit for their judges event before the multip and in high commend of by Sir J. C. Wilson for the lux-daulabe a ustame he rendered, by keeping that officer informed of creates all Moradabad, have a such Maller as philates have been referred to, but the latter states and facts are frequently at variance with those of the narratives above referred to, and of events during the interreguent to its till us sparrely supplier.

MUTINY - 155

irregular cavality, kept up by the Rámpur nawáb, had been ordered over to clear the road between Bulandshahi and Meerut, and begging that a party should be sent from Moradabad to clear the road between Garhmuktesar and Meerut

Detailed accounts of the Meeiut massacre, and intimation of the murder of Mr. Simon Fraser, and of the appointment of Mr Fleetwood Williams, judge of Meerut, to succeed him, were received on the 16th. On Sunday, the 17th May, intelligence was obtained through the police Sunday, May 17th that a party of sepoys had crossed the Ganges, and On Monday the 18th, the party for cleaning the were marching for Moradabad road between Gailmuktesar and Meerut having been Monday, May 18th organised, it was resolved that the magistrate and civil assistant surgeon should head the party, starting at 9 P.M At 8 PM. news was brought that the party of sepoys alluded to above, had encamped for the night on the banks of the river Gángan, distant four miles from Moradabad, on the Mr Wilson proposed that the party, prepared for the duty on the Mcerut road, should be strengthened by a detachment of the 29th native infantry, and that after the sepoys had been secured, the party should proceed on its way towards Meerut Accordingly, a detachment, under Captain Faddy and Lieutenant Clifford, was placed at Mr. Wilson's disposal, and marched for the spot On arriving, and after a brief parley, Mr Wilson called upon Captain Faddy, who had halted about 100 yards off, to advance and a scuffle ensued. The sepoys, it was thought, fired two shots only, but one of them, while running away, was shot dead by a sawár, and eight or ten of them were seized, with about Rs 13,000 in bags of 1,000 each. The men of the 29th then behaved exceedingly ill, and ever and anon, to create confusion, they untied in the dark the string of a bag of rupees, and then a general scramble for the money took place among them. At length, the prisoners and the cash were placed upon elephants, and made over to the magistrate and the civil assistant surgeon, to be taken to Meerut. About 1 AM, the party destined for Meerut proceeded towards Rajabpur, and Captain Faddy, Lieutenant Clifford, and Mr. Wilson returned to Moradabad with the corpse of the mutineer who had been shot The body was deposited in the dispensary for the night, the jail, for obvious reasons, not being deemed a proper place for it It appeared that the mutinous sepoys consisted of a party of 1 jamadár, 2 havaldars, 2 naiks, and 24 sepoys of the 20th native infantry, who had been ordered to relieve at the Muzaffarnagar treasury a similar party of the 15th native infantry. Hence it was clear that the cash found upon them had been plundered from the Muzaffarnagar treasury.

Colonel Malleson, it should be abserved, does not endorse this judgment of Sir John Wilson's on the conduct of the 29th native infantry, but says that, so far, the men had stood the test well.

At dawn on the following day, five more of the mntineers of the above party,

who had escaped over night, entered cantonments. Tuesday May 19th. Three were seized by a Sikh sepoy of Captain Davidson a night guard, and some two or three hundred rupees were found upon them. The remaining two entered the lines direct inno of them was shot by a Sikh seriov of the 29th, and the other was arrested, after receiving a slight scratch from a bayonet in the thigh. Unfortunately, while Mr Wilson was asleep, these four men and the corpse of the man shot the previous night were sent by the adjoinnt to the original rail. It appears that the sepoy of the 20th regiment shot that morning in the lines was the brother of the wife of one Sonsor Sinh a sepoy of No 7 company of the 29th regiment, and he, having collected together about 160 or 170 men of the light, 4th, 5th, 6th, 7th, and 8th companies, rushed to the Some sepora evince a Jail. The jail gourd, under n jamaddr named Sarabsukh, fraternized with the sepoys, and released not only the men of the 20th regiment, but overy prisoner, to the number of about 600 The following is a brief account of what followed? The bulk of the regiment was still true. On hearing of the raid against the jail the officers But the main body con turned the regiment nut, and the men displayed the tinues loyal. greatest planety in responding to the call made upon their loyalty A unmber of them followed the adjutant, Captala Gardiner, in pursuit of the rictors and the escaped convicts, and succeeded in bringing back a hundred and fifty of them. The civil anthorities co-operated with the millitary in this well timed expedition, and are entitled to share in the credit due to its unccess. Subsequently more of the insurgents were caught. Some even returned of their own necord But this was only the 19th of May The orisis.

far from having been surmounted, was still looming in the future. On the 21st the nutherities discovered that a number of Malammadan fanatics from Rámpur had collected on the left bank of the Rámganga, opposite the town of Moradabad, had heisted the green fizz, and were in communication with the oval-disposed men of the town. In the town itself the threatening effect of this demonstration was manifest at a glance. The shops were all shut, the streets

Another crisis arrives. were descrited, the doors of the houses were barred.

1 From this point space compels us to follow for a time the much aborter summary given by Colorel Mallevon. (History of the I das M I y I., pp. 227 83) This has, however been slightly condensed, and in one matter (the amount of the treasure made over 10 the mulners) corrected. Mr. Wilson a parratter interesting though it is occupit 45 foolean (triated) rages, and given little information above creats at Mesadahad after the Dogibh left.

It was patent to all that unless this demonstration were encountered Mr John Cracroft Wilson with a firm and resolute hand, the British cause was takes energetic measures. lost. The judge, Mr. J. Cracroft Wilson, called upon the military authorities to aid him. The aid was given. Setting out, then, with some sawárs and with two officers and a company of the 29th, he attacked and dispersed the fanatics. One of the latter levelled at Mi. Wilson's head a blunderbus loaded with slugs. Mi Wilson seized it in time. The fanatic then drew a pistol from his belt; but before he could discharge it a sepoy of the 29th knocked him down. That night the chief of the evil-disposed party within the town was killed by the police.

Two days later, the 23rd, another incident came to try alike the English and the sepoys On that day intelligence arrived A third crisis that two companies of sappers and miners, laden with plunder and fully equipped, were approaching the station Instantly, two companies of the 29th native infantry and sixty sawars were warned for duty. Captain Whish, who commanded the party, took with him two guns and marched out on the road by which the enemy were to advance. But intelligence of his march had preceded him The rebels, not caring to encounter him, crossed the river and made for the Taiai The joint magistrate, however, tracked them with four sawárs, and kept them in sight till the detachment came up, when, without the semblance of a struggle, they Is successfully encounlaid down their arms. Previous experience having demonstrated the impolicy of bringing any prisoners into Moradabad, these men were deprived of their arms, their ammunition, their money, and their uniform, and were turned loose

The good conduct of the men of the 29th native infantry in these expeditions had nursed the hope that they might remain staunch and loyal to the end. But, early on the morning of the 2nd of June, it was known throughout

News arrives of the mutary at Barelly. The effect of this intelligence upon the sepoys of the 29th native infantry and upon the townspeople was prompt and significant No one doubted but that a crisis was at hand. The men were sullen, sarcastic, and even rude in their manner, the townspeople defiant and disrespectful. Mr. Wilson's energetic proposition to the sepoys to follow their officers to Meerut, with their colours flying, taking guns and treasure with them, was met with derision. They had decided for themselves the part to be taken. The following morning they threw off all disguise. They began by refusing to all but the

Europeans admission to the building in which the public moneys were deposited, on the ground that the fanatics from Rampur might return to attack it. The civilians seeing the treasure thus beyond their control, thought it would prevent a general disturbance if it were so disposed that the sepoys could take possession of it without opposition. They accordingly had it placed the sepays quietly acquiescing, upou tombrils, and formally made it over to the treasury guard The magistrate, Mr Saunders, seized the opportunity to destroy as many of the Government stamps in store as he could lay hands upon. amount of the money made over to the sepoys was but Rs. 2,70,000 or thereshorts. They were greatly disappointed at the smallness of the amount. In the first burst of their fury they seized the native treasurer, dragged him to the gups, and threatened to blow him away unless he would disclose the place where the remainder had been concealed. Captain Faddy and Mr Saunders resented the man from his impending fate. But when Mr Wilson and Mr Saundors were about to ride off, a few of the disaffected men levelled thoir pieces at them, and ran round to prevent their escape. Some of the native officers, however, reminding the men of the oath thay had taken to spare the lives of the Europeans, induced them to lower their muskets and to desist. Simultaneously with the selsure of the rupees, the sepoys deliberately appropriated the oplum, and all the plate-chests and other property consigned for security to the Government treasury The police had ocased to act. The rabble were beginning to move. There was but one coorse to pursue, and that was to save for future service lives which, at Moradahad, would have been uselessly sacrificed

The English started, then the civilians and their wives, accompanied Departure of the Log in the Merrit and Nami by a native officer and some men of irregular cavalry who happened to be there on leave, for Meerit the officers and their families for Naini Tal. Both stations were reached with ont loss of life These who chose to remain behind, principally Enraslans, clerks in offices, were not so fortunate An invalided officer named Lieutenant Wurwick, and his wife, nustive Christian, were killed bir Powell, nolork, was wounded but he, and some thrity-one others, purchased immunity from further ill treatment by ombracing the Muhammadan faith.

For the events that happened after the civil and military officers loft, we are dependent almost entirely upon the narrative of a native ambordinate of the judge a office. In parganals Thakurdwara the Pathana and weavers revolted, and the talefidar, Chhote Lai, who had made himself very unpopular, was obliged to make his escape A manusi, Azmatullah, incld Thakurdwara, nominally for the

MUTINY 159

British Government, saving both treasury and records. Mr. Wilson is said to have thanked the munsif, but to have sent Wiláyat Husain Khán, late deputy collector, to take charge of the parganah with the title of ndeim. This officer had to return after the British officers had left Moradabad. On the 26th of May a most cruel attack was made by some Saiyids, Gosáins, and Mewatís on a wealthy bania in the village of Madhan, distant eight miles from Moradabad. Torture, by tying cotton to the arm of one of the inmates and igniting it, was employed with a view to compel the disclosure of treasure.

The native writer relates that, on the 2nd of June, he heard a Musalmán The storm about to jail official (barkandáz) repeating to another a stanza, burst, 2nd June, 1857 of which the translation is given —"The fowler this day announced to the captive birds, 'ye shall all obtain freedom to-morrow.'" Going to the lines he found emissaries of Majju Khán and Abbás Alı Khán (two men who were called nawábs) tampering with the native soldiers. This

Majju Khán and Abbás Majju Khán¹ was descended from Azmat-ullah, a former governor of Moradabad, and Abbás Alı from Dúndí Khán, one of the Rohilla chiefs. By the native account we are quoting, it was Abbás Alı Khán who attended the court when the treasure was being removed, and instigated the sepoys to kill Mi Wilson After the final mutiny and the departure of the British officers, rival governors seem to have been appointed, Majju Khán being the nominee of the 29th native infantry, while the claims of Asad Alı Khán, father of the Abbas Alı Khán just mentioned,

were supported by the artillery The former, how-

ever, soon disposed of his rival's pretensions On the

4th of June the nawab of Rampur sent a force under

But Majju Khán gets
- the better of his rival

Nawab of Rampur sends a force.

his uncle, Abdul Ali Khán, to take possession of the station of Moradabad ² A proclamation was issued in the following terms.—
"The people are God's: the country belongs to the king and the administrative authority rests with the nawáb. Henceforward all the court officers and the principal residents are enjoined to attend, on pain of being considered traitors."

The appointment of kotwál was conferred on Músi Raza, the jailor, and it is said that all the late officials of Government attended the nawáb's darbár with presents

The nawab Yusuf Ali Khan himself arrived on the 6th, and, it is

Nawab of Rampur ar. said, was brought by the native officers of the 29th

native infantry, who had gone to Rampur for the

¹ For this man's ultimate fate, see infra. ² The attack on Lieutenant Warwick's house was made, according to Mr Dunlop, on this day (4th June) The native writer says that the naw&b's troops arrived after the murder of Mr. Warwick, his wife, and other Christians, and that they insulted the bodies of the victims.

160 MORADABAD

parpose. He received a royal salute from the matineers, and distributed Rs 2.000 in cash among them, giving also shawls to the native officers. A darbar was held in the nuwab a house near the race course, and the following appointments made -Majin Khan governor (ndsim), Sa adat Ali Khan judge, hiyax Ali deputy collector, and other makes appoint minor appointments Justice began to be adminis tered in accordance with the precepts of the Korán, and Asistic punishments, such as mutilation, are said to have been inflicted by Niyaz Alı Khan. On the 8th Jane the Rampur troops were withdrawn by Abdul But on 8th June the All, to etrengthen the garrison of Rampur against a Rampur troops are withdrawn. threatened uttack by the Bareilly brigade Khan was again able to assert himself as governor, his anthority having been obscured during the Rampur nawab e occupation. The surviving Christians, a native deputy collector and some clerks who had not made their escape with the British officers, were made to repeat the kalama, or formula of the Mn hammadan faith, by the chief maulys, Alam Als, and their lives spared This mauly is said to have treated them kindly and to buve raised a subscription for their support. On the 14th of June the Barcilly Arrival of Barellly bri brigade arrived under Bakht Khan, who assumed the title of general To him complaints were made by the rebels ugainst manivi More murders of Chris Alam Alı for his protection of the Christian clerks. These were dragged from their place of conceal ment, and on a solemn oath being taken that no harm would be done to them. surrendered their arms. They were, however instantly bonn i with cords and carried away to the rebel camp, and the mauly a house plundered "Go-Bakht Khan seems then to have put Manu Khan, the new nawah, upon his trial for (1) forbearance in not causing the marder of certain Christians in Moradabad, and (2) countring at the distribution of the Government treasure among the seroys of the 29th native infantry Mr Kitchen, his family, and Mr Carbery had been hitherto sheltered by some Kayaths About this time they were discovered, and taken before "general Bakht Khan Mr Kitchen, the deputy magistrate, his son, a lad of 15 years of age, and Mr. Kitchen's brother in law. Mr Carbory, were murdored? on the night of the 14th June, and the females made over to Bakht Khun Tho Kayaths, after being tied to a gan for

a whole day, procured their release by a bribe On the 17th of June the Barelliy According to Sir J C Wilson's narrative it was the 18th of June and this also i the date given by Mr Dunloy — The seems of this murder was opposite the seems of this murder was opposite the seems of the western pair of Mirgaiganj. They had declined to repeat the formula of the faith of Islam and thereby save their lives.

MUTINY 161

brigade left Moradabad, and marched towards Garhmuktesar, taking with it the 29th native infantiy, and also the male members of the surviving Christians. These were Mr. Powell, deputy inspector of post-offices; Mr Hill, head clerk of the collectorate; Mr. Dorrington, junior clerk of the same office, Mr MacGuire, clerk in the magistrate's office, and Mr Phillips, second clerk in the The last of these was shot at Gajiaula on the march to judge's office Garhmuktesar, along with a drum-major of the 68th native infantry, whom the mutineers suspected of a design to blow up then powder magazine Mr. Powell and his three other companions appear to have reached Dehli, but nothing is known of their ultimate fate Sir J. C. Wilson apprehended that they were probably killed by our troops at Dehli, on the entrance into that city made on the 20th of September, 1857, their real state being, of course, unknown, and their appearance leading them to be mistaken for rebels.

After general Bakht Khán's departure Majju Khan once more proclaimed Bareilly brigade leaves himself nawab and viceroy of the king of Dehli, Moradabad. summoning all to attend a darbar the next day. Abbás Alí, however, had followed Bakht Khán, and procured from him a sanad appointing his father, Asad Ali, viceroy Returning to Moradabad with this document, he managed to obtain adherents, and the rebel government seemed likely to be ruined by faction. A common danger, in the form of a threat by the

Majju Khán and Abbás Ali again contend for the governorship, but Majju is acknowledged

inhabitants of Bijna to plunder the city, induced them to put aside their differences, and apparently Majju Khán was acknowledged governor. A party of Bijnor robbers arrived, but were beaten back. Majju Khán's difficulties were increased

by the absence of any cash wherewith to pay his new establishment. He called in the assistance of the Múlas of Mustapur to coerce He attempts to raise funds the Hindú bankers to subscribe for the maintenance of One of these bankers, Parduman Kishn, refused, on being his government. summoned, to attend Majju Khán to answer a charge that had been trumped The Musalmans and Hindus now prepared for an armed up against him struggle. The former, under Ayub Khin and Hafiz Alı Ahmad, prepared to storm the house of Parduman Kishn The Rajputs of Katgarh came

to the latter's assistance. Matters, however, were compromised without the banker having to pay more than a very small sum. On the 23rd or 24th of June, the Rámpur nawáb again took possession of

Moradabad, but Majju Khán was treated lemently, The Rampur nawab again returns, 23rd or 24th and permitted to call himself názim of Sambhal. June.

162 MORADABAD

The Rampur people appear to have insulted and oppressed the townspeople A quarrel arose between a Pathán of Morndahnd and one of the Rampur people about a pumpkin. This happened on the 29th of July, and on the 30th the whole population of Moradahnd rose and fell upon the Rampur people. About 40 of the latter are said to have been killed. At last, by the interession of Dhankal Sinh, the leader of the Katgarh men, peace was made with the Ram

The Kadds-gard conflict is origin the Kaddu-gardi—came to an end. On his second assumption of power, the Rámpir nawáb took the families of the Christian clerks under his protection They had, it is said, suffered extrema privation and indignity during their confinament, first in the cantonments and then at Majin's house. The families thus protected by the nawáb were Mirs. Hill and her children, Mrs. MacGuire, Mrs. Warwick, Mrs. Kitchen, Mrs. Dorrington, and Mrs. Humphreys, each with from one to six children. Of the heads of these families, Messrs. Hill, MacGuire, and Dorrington had been takan to Dehll, Mr Warwick had escaped to Naim Tal, and Mr Ritchan with his son, as we have seen had been murdered.

While all this had been happening in Moradabad city, the ontiying towns State of affairs in Sambal and Chandasal. rampant. On the 7th of June a large portion of Samhhal had been pinnedered by Mulas of Brisipur, Mowstis of Horapur, Játs of Lakhori, and other villagers. From the 16th to the 24th of June, Chandansi was similarly plundered by villagers from the neighbourhood. The forces sent by the nawsh of Rampur to relieve these towns are said to have merely enriched themselves, exterting money from Rampi Mal, a banker of Samhhal.

The native writer whose uscrative was are following, mentions that two expectives are expeditions leave for Debil August 1857 of Debil, headed by Jhahbar Ali Khán and Zain ni-ábdin Khán. They crossed the Ganges at Páth in Angust, 1857 About this tima an embassy from Khán Bahádnr Khán, the nomins ruler of Robilkhand, passed through Moradabad, with a present for the king of Debil. The party is said to have carried a cup of emerald as a token that Khán Bahádur Khán suppheated like a boggar, cup in hand, the land of Robilkhand as a fiof Many of the lower classes from Moradabad are said to have accompanied the embassy

When at last the fall of Delhi was reported, the Musalmans of Moradabad On every Friday the jahád was preached in affected to discredit the news.

News of the fall of Dehli (20th September, 1857) arrives.

But absurd stories are counteract invented to its effect

the mosques, and the most absurd statements were promulgated, with a view to strengthen the authority of the rebels Among others may be mentioned a report that the Bombay troops had mutinied, gone to London viâ Constantinople, made the Queen of England prisoner, and were actually bringing her to Dehli, as a captive, to answer before the king for the crime of having forcibly introduced greased

Nor was this the greatest absurdity believed, for the people were cartridges. told, and readily credited the story, that a fakir of great sanctity, with a lákh of Gházís (Muhammadan fanatics who devote themselves to martyrdom) from Persia and Afghánistan, had arrived in Dehli and there performed the miracle of converting all the shells and cannon-balls of the Faringhis into drops of water.

To appear in clothes of European fashion in Moradabad was at this time to risk death from the fanaticism of the Muhammadan mob. Intense hatred to English exemplified and if space would permit, instances might be multiplied to illustrate the intense hatied evinced by the Musalmans for everything English. The opinion, which has obtained support in some quarters, that the rebellion of 1857 was confined chiefly to the troops, and did not spread among the people generally, is hardly borne out by the most authentic accounts of what actually passed in Rohilkhand. On the fall of Dehli, many letters and reports from puests and other enthusiastic Muhammadans, addressed to the ex-king, describing the results of the great outbreak, fell into the hands of the English. "These writings were couched in the most vigorous and striking phraseology, and the perusal of them," says Sir Richard Temple, "confirmed what I had previously believed, namely this, that fanaticism is a volcanic agency which will probably burst forth in eruptions from time to time. It would be difficult to reproduce the imagery with which the scornful exultation over British discomfiture was expressed 'The infidel tyrant had been dethroned in an instant, like the twinkling of an eye, the flashing of a scimitar, the striking of a knell.' 'He whose glance had once struck terror into the hearts of a myriad time-servers was cast out with contumely, to die of hunger in the jungle, or of thirst in the desert."

But if such were the exultant missives despatched to Dehli, there were a few. if only a handful, who looked forward to the speedy re-A few loyal natives remained in Moradabad turn of the British, and kept up a correspondence with

¹ Men and Lients of My Time in India, by Sir Richard Temple, p 136.

164

the former officers of the district and other Ringhish gentlemen, especially with Mr Wilson. These were the Ringlish speaking natives who had served in the public offices, and whose own lives were in some danger, as every native who spoke Enghah was in popular belief wholly or half a Christian Their names, as given by the native writer, were Durga Parshad, late deputy inspector of schools; Nand Kishor late superintendent of roads Bábu Jagan Náth, late deputy postmaster Báhu Táráchand Pain, sub assistant surgeon and Bábu Ganesh Parshad, the translator of the civil court and the author of the narrative quoted in these pages. A banker of Bareilly, Láhi Laohhun Náráin, is said to have facilitated this correspondence by opening a private dak (postal service)

Although the nominal anthority rected with the nawab of Rampur, who Character of the Estimate professed to hold the district on behalf of the British pursuable rate.

power from the 28th of June, 1857, to the re-establishment of British anthority, his rule does not seem to have been at all generally recognized in the district. The Satylds of Amroha do not appear to have owned his authority he was continually appointing and abolishing his establishment in Moradabad and at least until April, 1838, the district may be said to have seen had by With the fall of Debil there is no doubt the nawab of With the fall of Debil there is no doubt the nawab of With the fall of Debil there is no doubt the seems to

While an uta has been to had entirely to return to their alleges lifting. In Novem Rampur was assured of the control of the the control of th

Morut

The native writer who has afforded the only material for all the narrative ovents during the interregnam, left Moradabad in Occuping the interregnam and the first less, there is tober, 1857, and from that mouth to April, 1850, there is a gap in the narrative, which cannot be filled np from any reliable sources. But a April, 1838, Firoz Sháh, a prince of the royal house of Dehli, marched in April, 1838, Firoz Sháh, a prince of the royal house of Dehli, marched in April, 1838, Firoz Sháh, a prince of the royal house of Dehli, marched in April, 1838, a prince of the royal house of Dehli, marched in April, 1838, Firoz Sháh, a prince of the royal house of Dehli, marched in April, 1838, a prince of the royal house of Dehli, marched i

the Ranpur troops, and for a fow days a transfer to Ranpur troops, and for a fow days a transfer to Ranpur troops, and for a fow days a transfer to Ranpur troops, and for a fow days a transfer to Ranpur troops, and for a fow days a transfer to Ranpur troops, and for a fow days a transfer to the Ranpur troops, and to been master of the color might have submitted to his and the population, which was the might have submitted to his and the population and the population, which wa

Arrival of General Jones' brigade.

converging on the province 1 On the 25th of April General Jones approached Moradabad and the rebel prince, Fíroz Sháh, retired towards Bareilly with all his booty and guns On the arrival of the British camp, it was joined by Mr Inglis.

Arrest and execution of the ringleaders of rebellion

of the Bengal civil service, a gentleman thoroughly acquainted with the character and doings of the rebel chiefs then figuring in Robilkhand. Colonel Malleson thus describes the attempt made to seize the leaders in the revolt.—2

"Inglis informed Brigadier Coke that many prominent leaders of the revolt were at the moment in hiding in the city of Moradabad, and that it would not be impossible, by the exercise of daring and prudence, to seize them These two qualities show conspicuously in the charac-He at once made arrangements to effect the capture of these men Multan cavalry to guard the outlets of the city, he entered with his infantry and proceeded to the houses indicated to him The task was difficult and dangerous, but it resulted in success. Twenty-one notorious ringleaders of the revolt were actually taken Others were slain defend-In this affair Lieutenant Angelo greatly distinguished himself the door of one of the houses, he seized a prominent rebel leader and two of his sons engaged in this work he was fired at from one of the upper rooms of the house rushed upstairs, forced the door of the room whence the firing had proceeded, and found himself face to face with seven armed men Nothing daunted, he shot three of them with his revolver and kept the remainder at bay with his sword till reinforced from below. Firoz Shah, unhappily, escaped "3

The column left Moradabad, a few days after the events just described, to take part in the operations against Bareilly, which have been detailed in a previous notice 4 Brigadier-General Jones established Wiláyat Husain Khán, a former deputy collector of Moradabad, as the representative of British authority, but subordinate to the nawab of Rampur.

On the 10th of May, M: Wilson marched from Bareilly, which had been retaken by the Commander-in-Chief (Sir Colin Camp-Mr J C Wilson arrives, 10th May, 1857. bell), with Captain Gowan, Sergeant-Major Belcham, William Hardy, private in Her Majesty's 32nd regiment, the remnant of the 11th native infantry, and about 60 irregular cavalry, for Moradabad, where he arrived on the 12th. He remained there for more than a month and says: "In this interval many rebels and mutineers were sentenced capitally, among them two princes of the house of Dehli, who were arrested, sneaking about, disguised Majju Khán had been shot during the occupation of Moradabad by the column under General Jones already mentioned.

¹ Vide Shkhjanknpur, p. 158 2 Malleson's Hist, II., 520 8 Mr. Dunlop's brief note says — "At 6 Am General Jones arrived with his column at Moradabad At 10 A.M Majjú's house was surrounded by a party under the guidance of Wilayat Husain Khán He was apprehended with his colleagues (who resisted the captors) after a protracted search, and was shot at 5 PM" 4 Vide Shkhjahknpur

166 MORADABAD

The exact date of the restoration of British authority is not easily ascertained. From an official report by Mr. R. H. Dunlop, magistrate, dated 18th November, 1858, it would seem that the commissioner (who he was the report does not meution) arrived on the 30th of April at Moradabad, accompanied by the nawab of Rampur. On the following day, May 1st, the town was illuminated in honor of the restoration of British authority. On the 2nd of May, however, the district was again made over to the nawab of Rampur. These events seem to have bappened during General Jones' occupation, as it is attated that his column marched on the 2nd for Bareilly. From May 12th to June 16th, British authority was represented by Mr. Wilson, and on the latter date and the column already mentioued as under the command of General Jones returned to Moradabad from Bareilly. But it appears to have been now commanded by Brigadier General Coke, who remained as Brigadier commanding the district.

It would seem from the official report that the complete restoration of Clemency observed in British rule should be dated from the 16th of June, as runishing the rebels.

British rule should be dated from the 16th of June, as then probably the nawab of Rampur was formally relieved of his charge. Space will not permit of our dwelling upon the arrangements made for the re-establishment of authority throughout the distinct. In meting out punishment to the rebels, great elemency seems to have been observed, and the native writer who has been quoted bitterly complains that swarms of Muhammadans, who had recently been open rebels, were reinstated in their appointments. Some allowance must, however, be made for the natural feelings of the writer, who was a Hindu

Besides a slight not between the Musalmans and Hindas m March,
No event of importance alice the multiny coccurred since the multiny to disturb the peace of the
district. The history of the famines of 1860-61, 1868-69, and of 1877 78 has
been told lu an earlier part of this memoir

¹ Some confusion exists in Str J C. Wilson a narrative and also in Colonel Malleson's, from the column being sometimes spoken of as Brigadier Coke a and sometimes as General Jones's. The column on its first visit to Moradabad was result under the command of General Jones Coke setting as Brigadier and second in command, but, as explained by Colonel Malleson (II 314 all real authority was left to Coke

Amroha -Tahail and parganah in the north centre of the Moradabad disis bounded on the north by the Bijner district Boundaries. (pargahahs Chandpur, Núrpur, and Scohara), on the east by parganaha Moradabad and Thakurdwara, on the south by Sambhal, and on the west by Hasanpar The total area in 1861-82 was 383 78 square miles, of which 261 36 were cultivated, 99 72 cultivable, and Area, revenue, and rent. 22 70 barren The area paying Government reveaue or quit rent was 161-09 square miles (10914 cultivated, 42'50 cuitivable, 9 45 barren) The amount of payment to Government, whether land revenue or quit rent (including, where such exists, water advantage, but not water rates), was Rs 1,33,006; or, with local rates and oesses, Rs. 1,67,835 of rent, including local cesses, paid by cultivators was Ra 5,92,252 nanded named to the census of 1881, the tabil contained 498 inhabited According. villages of which 260 had less than 200 inhal itants 187 had between 200 and 500 40 had between 500 Population. Aritima con and 2,000 1 had between 3,000 and 3,000 and 1,000; 6 had between 1,000 and 5,000 The containing more than 5,000 and 2 had between 3,000 and 5,000 The total population inhabitonis were Amroha (86,145) and Kani (7,936) The total population was 174,014 (83,169 Temales), giving a density of 452 to the square mile. Classified according to religion, there were 103,926 Hindus (47,861 females); 69 599 Musalmans (35,071 (omales) 101 Jains (53 females); 369 Christians (175 females) and 16 others (9 females) Eastorn and western Amroba present markedly distinct features

former naturally well drained, has extensive tracts of Physical features. bush jungle sometimes stretching for miles together the latter consi ts of open plains thinly coated with grass and with scarcely a bush to relieve the monotony The sottlement officer distinguished no less than oleven separate tracts, the physical characteristics of which he considered so dis imilar as to require separate consideration in ossessment. The names of some of these tracts sufficiently indicate their positions (1) the Ramgungu lowlands, (2) the Ramganga Gangan dedb, (3) the northern Cangan tract, (4) the southern Gangan ditte, (5) the Gangan Ban dedb, (6) the Ban tract, (7) the Southern ditto, (8) the Bhur ditto, (9) the Sot ditto, (10) the Udla ditto, and (11) the North western ditte. The key to the physical geography of the tabell is the fact that on the east it embraces a section of the valloy between the Ganges and Ramganga watersheds. The rivers of the tabil are the Gungau, with its affinents, the Karula and Ban in the east, Rivers

and the Set in the west.

Amrohá is, on the whole, fairly well opened up and accessible in all directions. Its chief town is favourably situated at easy Communications. distances from all points in the parganah, and a whole host of roads radiate from it in every direction. There are two arterial lines of communications: the Meetint (metalled) road running east and west through the southern part, and the Bynor road running north-west and south-east through the eastern half of the parganah. The former is a great liighway, and is very serviceable to the southern and western divisions, it bridges the Gangan in the Moradabad and the Sot in this tabsil; it is well kept, and carries a large traffic. The latter is unmetalled, except for the first mile out of Moradabad; it bridges the Karula and Gángan streams, and does the work generally of a first-class line of communication. In the angle between these two main roads lies eastern Annohá with its winding streams and rugged country Inter-communication is neither easy nor rapid here, and traffic naturally takes to the circuitous routes, avoiding this angle. All the other lines of traffic, with the exception perhaps of the Hardwar road, are secondary, acting as feeders to the two great highways. The extension of the Oudh and Rohilkhand Railway to Hardwar, now under construction, passes through this talisil

The climate is good all over the parganal, if we except the small belt of country rinning from near Jua on the Meei ut road along the Sot into the adjoining Sambhal parganal Modes of cultivation are very similar to those current in the rest of the district. Amrolia grows rice extensively on the east, where the river system already described offers many natural advantages. Cane, too, is favoured. The soil of western Amrohi permits of the extensive cultivation of the chin species, while on the east agraulalone is grown.

The fiscal history of the tahsil is to a great extent bound up with that of the Amrohá Saiyids, of whom an account has already been given (supra pp 106-9). They hold most of the maháls in the tahsil on revenue-free (muáfi) tenuies. Of the remainder, or revenue-paying maháls, there is nothing to add to the history given in the district notice (supra pp 96, 101-104).

Amrohá¹ —Ancient municipal town in the parganah and tabil of the same name, distant 19 miles W -N-W. from Moradabad and 4 miles S-W. from the

For much of the following account we are indebted to a very full MS history of Amrohs, to which the author has not given his name. It contains a very minute account of the Saiyid families and of the muhallas and their antiquities, which, however, from considerations of space, has been greatly curtailed in the text.

170 MORADABAD

Ban river Latitude 25° 54'-15°, longitude 78°-30° The populations by the censuses of 1858, 1865 and 1872 have been already given in the district notice. By the census of 1881 the area was 895 acres.

Population.

Notice. By the census of 1881 the area was 896 acres, with a total population of 36,145 (18,837 females), giving a density of 91 to the acre. The Hindus numbered 10,644 (5,093

females) Musalmans 25,377 (13,678 females) James 97 (50 females); Christians 20 (18 females) and those of other religious 7 (4 females) The number of inhabited houses was 5,328

Occupations. The following is a statement of the principal occupa-

(I) Persons employed by government or municipality 181; (III.) ministers of the Hindu guilgions 109 ministers of the Michamuscian religion 61; (VIII) municians 70 singers and dan cers 40; (IX) school teachers (not Government) 85; (XI) innkespers (Malifer) 127; (XII) domestic sorrants 81; (XIII) mongy-lenders and bankers 64, commortal clorks 114; (XII) pock-carriers 50, carrers 173; (XVII) porters 228; (XVIII) landholders 763, limbholder's seta Mikhamat 223, cultivators (tenants) 1,000, gardenors 111 agricultural labourers 938; (XIX) horse-bespers and slephant-dirivar 40 brockers and dealers of abesp and goats 47; (XXVII) carpenters 317 bricklayers and masons 122; (XXIX) cotton-carders 147 weavers 863, callco-printers and grars 81 tailors 100 bangle-sellers 45 washermen 74 barbers 908; (XXX) milk-sellers 45, butchers 104, corn and four dealers 257 confectioners (Malesi) 107 green-greeers and fruiterers 152 grain parchers 60 tobacconists 48, condiment-dealers (passistr) 5; (XXXII) tanners and lenther workers 141, loather-dyers 64; (XXXII) manufacturers and sellers of oil 85 entiors and sellers of gauss 400; (XXXIII) sweepers and soveragers 157 eartherware man facturers 170, water-carriers 117 gold and silversmiths 117 blackmiths 51; (XXXIV) green labourers 186, persons in (andefined) service (** fart) 77 pensioners 43; (XXXV) beggars 214

The site of the town is low, but on the east and west the land emiside is site and general appears considerably clavated. A thick belt of mange groves nearly surrounds the town. A large gateway on the east, and the remains of an ancient wall, give the place an air of some importance. It is connected with Moradabad by a motalled road running from the south of the town to join the main road from Moerat to Moradabad at Jua, 4 miles from Amrohá and 19 miles from Moradabad, but a shorter route is by a rested and bridged but unmetalled road running south-east from Amrohá to the same main road, meeting it at Páchbara, seren miles from Mora lebad. Partially ruised and bridged but unmetalled roads connect it with Chándpur, Bijuor, Kánt, Siral, Sambhal, Ha anpur, Gejranlá and Dhananrá. The main street is néarly a mile in length, with shops on each side, many of which have handsome fronts of carrod wood. The town abounds sargo, but almost desorted, mansions, the property of impoverished Mahammadan.

¹ Rom n numeral indicate the clustes in the census returns. Probably very much an decision of a census.

gentlemen. High, gloomy, masonry walls everywhere meet the eye, but inside are the signs only of decay. No object of architectural beauty exists.

Of the sixty-nine muhallas into which the town is divided, many have interesting names with traditions attached to them, which Muhallas space alone prevents our giving at length here. The designations Bagle and Kali pagii may be instanced. If the local account can be trusted, the wards so-called derive their names from particular Saiyid families to whom these terms were applied as nicknames (scil., 'the crane-necked' and 'the black-turbaned') Another quarter is called Bhúkhá, or the quarter of 'the hungry folks,' in derisive allusion, it is said, to a grant made to former residents of two villages called Tikia and Papir, which the neighbours connected with tikhi, 'a small loaf,' and papar, 'a cake' Other names contain references to the founders, e.g. Sarái Ghulám 'Alí, named after a grandson of Muliammad The author of the MS. account of Amrobá writes as follows .- "It is a peculiarity of Amroha that each ward is inhabited by men descended from some common ancestor It is rare that the house of an outsider, except of course of the lower classes, is found anywhere There are now in Amrohá farmáns which show that from the time of Akbar to the present day 144 men have received mansabs of various amounts from the Dehli emperors. We may fairly add a considerable number for those whose farmáns have been lost or destroyed, or whose descendants are no longer in Amrohá, and conclude that there were about 200 such mansabdars altogether The 141 which remain range as follows.—Albar, 14; Jahángír, 1, Sháhjahán, 1, Aurangzeb, 7; Muhammad Sháh, 46, 'Alamgir II., 27, Ahmad Sháh, 15, Farrukhsiyar, 7, Sháh 'Álam, 16', Jabándár Sháh, 4, Bahádur Sháh, 5, and Sháhjahán II, 1 The principal families of the city are descended from Sharf-ud-din, generally known as Sháh Wiláyat"

The public buildings are a tahsili, munsili, first-class police-station, postoffice, three principal schools, a distillery, and a branch
dispensary. The tahsili stands in the Katkui ward, the
police-station in the main bazar. The tahsili and the Anglo-vernacular schools are held
in the two wings of one considerable building. The first teaches some 60
boys, and the latter (which is of the primary vernacular rank) somewhat above
that number. There is also a free municipal school, at which between 50 and
60 boys attend. Besides this, there are said to be 100 private schools in the
city, and though that number is probably exaggerated, they are certainly very
numerous. The (American) Methodist Episcopal Church has had a branch here

172 MORADARAD

since 1860. The native Christian community in 1880 numbered 686 (416 adults), of whom three were converts (from Hindnism) during the year Attached to it are two boys and one girls school with a roll of 90 pupils (20 girls) The hranch dispensary had 13,448 ont-door and 74 in-door patients during the year Its not income1 in the same year was Rs 880, entirely derived from government and mnuscipal grants

The natural course of the dramage is to the south towards the Ban over, but on the east and west the high land ontside throws the Health and drainage. river water into the town, so that parts of the town are sometimes flooded. The water-supply is derived from wells and is reported good The death rate in 1830 81 was 25 28 per thousand; but in 1879 80 it reached 69 %, owing to the excessive prevalence of fever Old residents say it is the bealthiest town in the district. There is an absence of the diagnosis and dirt so common in second rate Indian towns and the main streets are neat and clean.

In antiquities Amrobá is richer than any other town in the district. It

is said to passess no fewer than 109 mosques, 9 karbalas

Antiquities, (places where the tasias are taken and usually buried), 7 surdles (temples dedicated to Siva), about 40 other Hindu temples and dhirmadlas, 9 tombs of special sanctity and a great number of minor naportance Before noticing these, mention may be made of what appear to be rolles of greater autiquity than any of the other existing buildings. These are a well called the 'Bih ka kain or Bawna well and a took called the Banadeo Regarding the latter even tradition has nothing to tell us, but the well is ascribed to a family of Suraj Dhaj Kavaths which is supposed to have roled in Amroba after the time of Pritherf Ray It is said that there is one family of this caste now in the district (in Sambhal), and that its members claim to be Brahmans, but are generally regarded as Auraths. The well is de cribed as one of the mo t curlous remains in the district. With the exception of the arches and vanits, which are of brick, the structure is of block Landar To the north a flight of steps leads down to a re-ervolr, flinked on each side with corridors and with an apse at its other end. The corridors open toto chambers, from which flights of steps lead down to similar chamiters

falling oot of repair

In the story below. All these chambers also open on the well proper, which is of considerable dimensions. The arches are false, and the cupoles bailt with

circ es of bricks that narrow in . The well is not now used and the structure is I Freinding a balance from the previous year, larebid a. 1 This enumeration is Pandit Gance.

173

Coming to more modern objects of interest, the first in point of importance is the tomb (dargih) of the famous Shah Wilavat, of whose history something will be said further on. This tomb is said to be built on the spot where tho The remains of the cell be occupied are still shown in the Pachsamt died. data ward. The tomb is resorted to largely by both Muhamm dams and Hindus, who attend from the 19th to the 21st of the month Rajab (July) to offer oblations, and it is a singular circumstance that Hindus of the Kayath caste are the chief attendants. These Knyaths, it is said, used to conform largely to Muhammadan observances, but their descendants are rapidly returning to The dingliter of this saint, Missammát Bakhui, also received canonization, and her tomb is visited by women 40 days after child-birth to offer oblations of food. Mention can only be cursorily made of the tombs of Abd-nl-Azir, Abd-nl-Waji I Shah Ghú-i (which with Shinh-Wilayat's are to the west of the town), of Shah-Ibu (to the south), of Shah Abul Hadis (to the north), and of Mulla Allah Dad, and Mián Pir Bakhsh That of Sháh Nasiiud-din is near the Bansdeo tank

The Jami' or Sado' mosque is one of the oldest existing buildings. It was originally a Hindu temple, as is evidenced by its shape and the old chain still daughing from the roof. It was converted into a mosque in the reign of Kaikobád (1286-88 A.D.) and originally had five arches, of which the two outer ones have disappeared. It bears four inscriptions—the first, Kaikobád's, on the northern side, the second, Kumak Khán's, on the made of the northern gateway, giving the date 965 H. (1558 A.H.), the third, Muhammad Mír 'Adl, opposite to the first (Kaikobád's); and the fourth is undated, but mentions that repairs were made by one

"Ba'ahd i-Akbar Ghazí jalal-1-daulat o dín, Madar-1-mulk o milal-1-bádshah-1 zillu'lláh, Zamána khadím 1-dargáh-i úst be taklíf, Sitára bauda farmán-1-úst be-1kráh, Biná namúd dar Amrohá masjide jámi', Maghz i dín Muhammad Amír-1-khalq-panáh, Sipalir-martaba Saijid Muhammad 'Adil, Ki wasf 1-0 shuda aurád-1 khalq, begah-0 gáh, Magú za háe akhír o bagú tárikhush, Bínáe mír-i-'adálat-panáh 1 'áhjáh''

'Adıl Khan, who is said to have lived during the Robilla occupation

inscription in which the name of Mithammad Mír 'Adl's appears is as follows:--

[&]quot;In the reign of Akbar, Glory of the Empire and the Faith,
The pivot of the world and of nations, the king who was the shadow of the Almighty,

¹ The name is spelt also 'Saddo,' both being contracted from Sadr-ud din

At the threshold of whose palace time was a willing doorkesper,
Whose behests the stars unmururingly obeyed,
This great mosque was built in Amrohi
By that kernel of Islâm commander and protector of the people,
Divine in rank, Salyid Muhammad the Just,
Whove praises are on the tips of the tongues (of the faithful) morning and evaningly
Omit (from calculation) the final H and tell its date, 1

The foundation (was laid by) a prince of the court of the Most High." This mosque is now chiefly in the hands of Sado-wala Sharklis and Saivids, the latter of whom claim to be descended from the saint Sharf ud-diu (Shah Wilayat), but the shares, which are numerous, are both heritable and transferable. A large income is derived from Hindn and Musalman pilgrims who come from long distances, chiefly from the Panjah, where it is said the owners of the mosque have advertizing agents who vaunt the benefits of a visit to Sado s shrine, especially in the case of mental ailments. Shaikh Sado or Sadr ud-din was a former crier (mu azem) of the mosque, and the popular explanation given of the renown attached to his memory is that he practised magic. What is and to be the tomb of Sado is pointed out under the central arch that of his mother. Ghásia, is under the northern, and that of a demon, Zetr Khán, said to have assisted Bado is under the southern arch. The ceremonies observed consist in offering oblations to all three and in touching the chain (called 'Murad s') The credulous worshippers believe that Shaikh Sado had two demons in his service, who munistered to his lusts by hringing young and beautiful females to He is said to have finally been destroyed by these fiends, who dashed out his brains against the roof Perhaps the legendary account may contain a glimmering of truth, and the so-called saint may have met his descris for licentiousness not unknown among persons of his class

In the Bádsháhi Chabátrá ward is a mosque known as Malik Sulaimán s, Mosque of Malik Sulai which appears from inscriptions? It bears to have been built in the religio of Shéhjahan by Shaikh Mansur. To the same period are attributed the two gates which are the ouly portions now existing of the fort in the Barn Darbár ward. One of these is known as the Chhanga darwaa. It is smaller than the second, known as the Moradabad gate, built by Abdul Majil, great-grandsou of the Mubammad Mfr. Adl already moniton ed. An inscription gives the date 10-1H (1641A D), but coutains nothing else of any interest. The lost huilding of importance to be meutioued is the lidgât or 'place for celebrating time Id festival,' an

imposing structure situated to the west of the town

'L' deduct s from 916 fearing the date 931H.

'Two give the dates 1056 and 057H.

It is approached by a long flight of wide steps, and has a fine bargad tree on the platform at the top. It was built by Shaikh Ghulám Ahmad, about 130 years ago, and can therefore scaleely claim mention among the antiquities.

The best known manufacture is one of thin painted and gilt earthenwaie.

Cups, saucers, goblets, plates, &c, are made, and specimens of the work were awarded a medal at the Agra Exhibition. The polished earthen jars and vases manufactured by the kúżagars are described as not a bad imitation of China; they are marvellously light. Camp beds, native carriages (rath), and carved work in wood are also local manufactures meriting notice. Sugar and cotton cloth are more commonplace, but equally important, products of local industry.

Although Amroha has a good deal of local, it has but little export trade, Kánt on the north-east and Dhanaurá on the west Trade. carrying off most of the products of the parganah. The town derives its importance from the residence in it of the large community of Saiyids already mentioned, who in the time of the Dehli emperors received large grants of revenue-free land An annual fair is held in honour of Záhu Díwán in August, and another named after the neza (spear) of Sálár Mas'úd, at both of which a considerable trade is carried on Thursday is the market day for the local trade The imports into the municipality shown in the official statement, with the quantity or value imported in 1881-82, were the following:-grain of all kinds (1,98,988 maunds), refined sugar (374 maunds), unrefined sugar (28,378 maunds), ghi (1,420 maunds), other articles of food (Rs 53,025), animals for slaughter (11,896 head), oil and oil-seeds (6,760 maunds), fuel (Rs 13,570), building materials (Rs. 27,803), drugs and spices (Rs 29,026), tobacco (3,226 maunds), European cloth (Rs. 92,192), native cloth (Rs 13,053), metals (Rs 20,283)

three sit by virtue of their office and the remainder by election. The income of the municipality is derived chiefly from an octroi tax falling in 1881-82 at the late of Re 0-6-9 on net receipts (ie, after deducting refunds) per head of population. The total income in 1881-82 was Rs 17,912 (including a balance from the previous year of Rs 1,898). The expenditure in the same year was Rs 14,015, of which the thief items were collection (Rs. 2,113), original works (Rs 1,304), repairs and maintenance of roads and drains (Rs. 2,196), police, a charge that under the new scheme will no longer fall on municipalities (Rs. 4,755), and conservancy (Rs. 1,361).

176 MORADABAD

One local tradition attributes the foundation of Amrohá to a rulor of
Hastináphr whose name was Amrioha and who hived
some 3,000 years ago, but another makes it owe

its origin and name to Ambe rani, sister of Pirthi Rai. No remains of the fort said to have been built by her have been found, unless some very large bricks discovered during an excavation in the Nanbatkbans ward belonged to it. Genasthal, a village in this parganah, traditionally derives its name from being the place where the rant's elephants were kept. A family of the Súraj Dhaj coste is said to have ruled in Amroha, but little more than the tradition has survived. One name only of the Súraí Dhar line is remembered, Kirpanath. To this family are ascribed an old bridge over the Bagad marsh at Gajraula, the foundations only of which now remain, and, as already mentioned, a large well called 'Bah ka kuan, about two inites from Amroha off the Chandpur road To the Súraj Dhaj family appear to have succeeded the Tagas, of whom Rajas Karan and Sasa Chandan are the only names that have come down to us. But the first glumpse of Amroha in enthentic history is in the reign of Balhan (1266A D), when that king came in person to put down a rebellion in Katchr, which be did with great severity 1 In the reign of Alfnd-din (1295 to 1815A D) the town suffered from an invasion of Mughels under a descendant of Chengis Khan. Au imperial force marched against them, and they were defeated with great slaughter usar Amrolia. 'All Ben and Tartiak, the two leaders, were taken prisoners and trampled to death by elephants Shortly before the death of Ala nd-din, his eldest son, Khisr Khan, was banished to Amroba for breaking a vow be had made, but, returning without permission, was thrown into prison end blinded by order of the infamous minister, Mahk Kafnr, after Ala ud-din s death. He remained in prison till the accession of Mubarak Shall, who sent an assassin to marder lum along with two other princes, owing to Khizr Khan a refusal to give up the lovely Dewal rani, whom Mubarak Shab wanted for his harem. The princess shared her lover s fate and the bodies were buried in the Bift mandar bastion of the fort of Gwaliar (1816 A D) The loves of this unhappy prince and Dewal raniform the subject of an eplo called the 'Ashiks of Amir Khusru, parts of which are trans lated in Dowson's Elliot (III., 544), and the reader must be referred there for the full story of Abizr Ahan's sufferings. After this Amreha for a time drops ont of history, and probably was over shadowed by its sister city Samblial. is certain that it full into the subordinate position of a fief (that') forming part of the estate of Saivid Salim, in the reign of Mabarak Shah (1428A D)

For a detailed account of this expedition see the Tarith-to-Fires Saddin Dowson e Elliot, III., 106

An event of some consequence in the local annals of the town was the arrival here of the celebrated saint Sharf-ud-din, com-Account of Shah Wilayat. monly known as Shah Wilayat, whose family originally came to India from Damascus The date of his arrival is variously given as 670H (1271A D.) and 710H (1301A D.) The traditional account of the opposition he met with from another saint Nasir-ud-din, who resented his preseuce in Amroha. 14 thus told:-1

"Jealous of the arrival of another, Nasir-ud-din sent Sharf-ud-din a glass full of water, to show that the country was already filled with his holiness and could hold no more. Sharf-uddin, by way of answer, floated a rose blossom on the water and returned it to show that, though full, the glass could hold more Foiled with his own weapon Nasír-ud din surlily promised not to oppose his settling here, but forcioid that myrinds of scorpions would be born at his tomb. Sharf-ud-din civilly replied that though scorpions might be born there, they would, through the grace of God, lose their power of stinging, whereas his (Nasir ud din's) tomb would be the rendezvous for all the stray potters' donkeys in the country So to this day the country-folk beheve that the scorpions at Sharf-ud-din's tomb do not sting, while every potter who has lost his donkey hastens in search of it to the other saint's burial-place"

Sharf-ud-din or Shah Wilayat lived a wandering life, visiting Kumaon and Dehli, resisting, at the latter place, the endeavour of the emperor Firoz Shah to keep him there, and returning to find that his father had built a residence in the jungle to the east of the city, the site of which is still pointed out under the name Mírán Sarái. Sháh Wilnyat first lived in the cell in the Pachdara ward, but afterwards settled in a spot in the jungle to the west of the city. He died in the month Rajab 783 H. (July, 1381 AD) Besides a daughter, who is also honored as a saint, Shah Wiláyat left two sons The chief interest attaching to the history of their families arises from the marriage of one of them (Abd-ul-'Aziz) to a daughter of the emperor Firoz Shah, with whom he obtained a dower of several revenue-free villages, laying the foundation of the muáfi (revenue-fice) tenures of the Amrohá Saiyids The issue of this marriage was a son, Rájá', who is said to have been miraculously preserved from destruction, after his premature birth, by being kept in an earthen vessel (hándi) until the full period of gestation had elapsed This result of the saint's influence has procured for his descendant the appellation Handiwala Abd-ul-'Aziz is said to have founded a town adjoining Amrolia, to which he gave the name 'Azizpur; but no trace of it is now found except its mention in a few old documents.

' To Rájá' were born two sons, Yásín, the progenitor of the Saiyids of the Arzání-pota ward, and Muntajib, from whom came the Saiyids of the Bara Darbar, Purani Sarai, Sati, Katra Ghulam 'Ali, Guzri, Chheora, Maja-pota and Shafa'at-pota wards Of the descendants of Muntajib the most celebrated 1 In the anonymous MS already mentioned.

178 WORIDABID

were Mir Saiyid Muhammad and his brother Saiyid Mubarak, both of whom held offices under Akbar Of Mir Sayıd Muhammad mention is made in the Ain : Albars, where we learn that he had studied the law and traditions under the best teachers of the age, was a friend of the father of the historian, Baddoni, and edvised Bedfood himself to enter the military service of the emperor, instead of trusting to learning and to procurious maded 1-ma deht tenures for a anhaistence Akhar made Sarvid Mahammad Mires Adl an officer who proponneed judgment on offenders according to the sentence of the Kdel His office resembled that of the "doomster' in Scotch courts of law in former days This accounts for his title Adil in the inscription quoted on page 178 When the learned were banished from court, be was made governor of Bhakkar (988H., 1575 A D) where be died two years afterwards. He bed previously served, with other Amroba Savyids, under Savyid Mahmid of Barha in the expedition against Baja Madhukar His sons Saivids Abul Kasim, Abul Me alf and Abul Hasen, were all in the military service of Alber Savid Abril Waris, a grandson of Saryid Mubbrak, was chief magistrate (faugdar) of Sambhal and, in the eleventh year of Jahangire relgn, was promoted to be governor of Kananj In later times the Amroha Saiyida have not made much figure in history

Besides the femily of Sharf and din, Nasir-and din his rival, left namerous descendants, some of whom may still be found in the neighbourhood. Other Easyida trace their descent from Mas aid, and indeed the Saiyids of nearly every ward in the town have some famous ancestor to head their family tree Shukha and Abhasis are represented in several wards, the latter deriving their descent from Mahammed Amín, the seventh caliph. After Muhammed Amín a murder his family was dispersed some came to Maltin and some to Dehli From the latter branch came the Abbigis who settled in Amroha.

Beyond the private annels of these families—interesting chiefly to them selves—there is little to record regarding the recent history of Amrohi. In 1780, Nathe Khán, e governor of Sambhal, is said to have brought an army against the town, to exact parment of Government dues or, eccording to another account, to take vengeance for a family wrong, and some of the inhabitants were killed in the encounter that followed. Amlr Khán passed through the town, without plundering it, in 1805. Under British rule Amrohā has no history worth recording apart from that of the district generally, and the events of the muture have been given in the district notice.

'Grarts of land conferred by Akbar on four els ses of men-philosophers ascriler poor and deviyed pr the folk. An officer called a Sade enquired into applications and was assisted by the Ratis and Mir i All Bochmann a Rat p. 245. Asmauli —Village in the north of tabsil Sambhal, distant 19 miles S-W. from Moradabad and 9 N.-N.-W from Sambhal. Latitude 28°-41′-45″, longitude 78°-34′-30″ Population 1,554 (726 females). Has a first-class police-station and a district post-office

A'zampur —Village in the north of tahsil Hasanpur, distant 22 miles from Hasanpur and 42 from Moradabad. Latitude 29°-0′-45″; longitude 78°-12′-15″. Population 1,380 (698 females). A'zampur gave its name to a parganah (now extinct) mentioned in the Ain-i-Albari among the maháls of saikár Sambhal.

Bachhráon — Town in the north of tahsíl Hasanpur, distant 41 miles W-N-W. from Moradabad, 13 N-N-W from Hasanpur, and 7 E from the Ganges Latitude 28°-55′-25″; longitude 78°-16′-35″ The populations by the censuses previous to 1881 have already been given in the district notice. By the census of 1881 the area was 69 acres, with a total population of 7,046, (3,558 females), giving a density of 102 to the acre. The Hindus numbered 2,205 (991 females), and Musalmáns 4,841 (2,567 females) The number of inhabited houses was 788

The town is said to derive its name from its traditional founder, Bachbráj, a Súraj Dhaj Brahman of the time of Pirthí Ráj It has six wards—Shaikhzádagán, Pírzádagán, Kánúngoán, Bákábád, Pesh-thána and Chaudhríán A grant of Bachhráon and 156 villageswas made to a convert to Islám in the reign of Akbar, and his descendants are said to be still in possession of the Zamíndári A policestation, sarái, school, one temple, and 12 mosques are the public buildings The watch and ward of the town is provided for by taxation under Act XX. of 1856.

During 1880-81 the house-tax thereby imposed, together with a balance of Rs 213 from the preceding year, gave a total income of Rs 1,482. The expenditure, which was chiefly on police (Rs 739) and conservancy (Rs 300) amounted to Rs 1,366. The returns showed 1,655 houses, of which 878 were assessed with the tax: the incidence being Rs 1-7-1 per house assessed and Rs 0 2 7 per head of population

Bahjoi.—Village in the south of tahsil Sambhal, distant 37 miles S-S-W. from Moradabad and 12 S-S.-E from Sambhal Latitude 28°-23′-45″, longitude 78°-40′-0″ Population 2,724 (1,257 females). The village derives its name from the old parganah of Bahjoi It is a station on the Oudh and Rohilkhand Railway and has a second-class police-station and a weekly market

Bhojpur — A large village in tahsíl Moradabad, distant 10 miles north from Moradabad and one mile east from the Dhela river Latitude 28°-56′-45″, longitude 78°-52′-0″. Area 54 acres Population 4,488 (2,202 females) It has four wards—Nahapur (formerly a village in ruins), Kasái-ká-muhalla (butchers' quarters), Bázár, Jhádá-wála, and possesses 11 mosques and a tomb of Muhammad Háji.

180 MORADABAD

Bilári.—South eastern tahsil (and parganah) of the Moradabad district),

Boundaries.

18 bounded on the north by Moradabad, on the east
by the Rámpur State (parganah Sháhebad), on the south
by Budann (parganaha Busuli and Islámagar), nud on the west by Sambhal.

The total area in 1381-82 was 382 95 square miles, of which 267 48 were

Area, revenue, and rent.

area paying Government revenue or quit rent was

802 46 square miles (242 8t cultivated, 89 56 cultivable, 20 09 barren) The
amount of payment to Government, whether land revenue or quit-rent (includ-

802 46 square miles (242 8t cultivated, 39 56 cultivable, 20 09 barren) The amount of payment to Government, whether land revenue or quit-reut (including, where such exists, water advantage, but not water-rates), was Rs 3,88,104, or, with local rates and cesses, Rs 3,75,702 The amount of rent, including local cesses, paid by cultivators was Rs. 7,84,288

According to the census of 1881, the tabsil contained 894 inhabited vil lages of which 88 had less than 200 inhabitants; 164 had between 200 and 500; 107 had between 500 and 1,000 25 had between 1,000 and 2,000, 4 had between 2,000 and 3,000; and 4 had between 3,000 and 5,000. The towns containing more than 5,000 inhabitants were Chandevai (27,521) and Normall (5,089). The total population was 229,784 (108,350 femeles), giving a density of 690 to the square mile. Classified according to religion, there were 16',443 Hindus (79,768 femeles) 60,033 Musslankas (28 444 females), 125 Jains ,58 females); 180 Christians (84 females) and 8 others (1 female)

The shape of the pargauah is that of an irrogular quadrilatoral figure its eastern and western sides approach nearest each other Physical features. on the north and recede from each other as they run southwards. The surface of the soil nowhere greatly varies. The levels taken hy the professional survey show that the country gradually rises from south to north, the mean gradient being about one foot per nule. The eastern half of the parganal, however, hes considerably lower than the western. There is n gentle rise from the Rampur boundary on the east to the Samhhal border on the west. A few disturbances are caused by the occurrence, at intervels, of bluir billocks These, however, are rare and of nungrificant extent. There are no sterilo tracts ut all. The land is generally fertile; spentaneous growths are luxuriant groves are numerous. The Gangan on the northern border runs between Bilari and Moradabad parganaha und is a perennial stream with consi derable volume in the rains. The Arl or Artl is a small stream which passes through the centre, and the Set a larger stream intersecting the parganah in the south. The climate in the valleys of the Art and Sot is malarious.

The road communications of the parganah are inferior. Part of the unmetalled second-class road from Moradabad to Aligarh runs through the north-west corner. There is one long unmetalled second-class road from Chandausi to Moradabad, rid Bilari. From Chandausi old unmetalled roads run to Sambhal, Budaun, Anúpshahr, and Bareilly, some straight, others in circuits taking in important villages. The Moradabad branch line of the Oudh and Rohilkhand Railway now runs right through the body of the parganah. The roads that branch out from Chandausi bear traces of having once been regular traffic thoroughfares. They were the feeders of the extensive mart of Chandausi.

Of the whole cultivated area Mr. Crostliwaite estimated that spring crops occupied 41 per cent and autumn 59 Sugarcane is the best paying crop in the parganal. In 1843 there were 1,548 sugar-mills, in 1874, 3,533, or an increase of 1,989, showing that the cultivation of cane had more than doubled

The rise in prices had been very great between the penultimate and last settlements. Wheat iose from 34\frac{1}{4} sers in 1845-57 to 21 sers in 1863-74, or 62 per cent; gram from 43\frac{1}{4} sers to 24\frac{1}{2}, or 76 per cent, barley from 60 to 31\frac{1}{2}, or 90 per cent; sugar (khánd) 4\frac{1}{4} to 2\frac{1}{4}, or 55 per cent; juár from 70 to 29, or 141 per cent., urd, múng, moth from 46\frac{1}{2} to 25\frac{1}{4}, or \$1 per cent; bájra from 40\frac{1}{2} to 29, or 71 per cent, and cane-juice from Rs 16 (per karda of 50 mds) to Rs 29, or 81 per cent. Excluding juár and cane-juice the rise was 73 per cent. It is since the mutiny that the rise has been so rapid.

Bilári has its fair share of towns and markets; the six principal are Chandausí, Bilárí, Naraulí, Kundarkhí, Seondará, and Junahtá All these have large weekly markets for all kinds of local produce. There is one widely-known fair which is really a cattle-market, held once a week at Rith, a village to the east of Seondárá. It sprang into existence about thirty years ago. All the surplus produce of the parganah itself, and of a large country beyond, flows into Chandausí. The chief staples are sugar, grain, and cotton. Bilárí exports very little cotton, most of what is grown being used by the producers themselves. Grain and sugar are its chief contributions, and of these sugar is much the more important. There is a regular corporation of brokers who conduct the whole export and import business. Grain is exported to the dearest market, cotton goes chiefly to Calcutta; nearly all the sugar is despatched to the Panjáb and Rájputána.

180 MORADABAD

Bilari.—South eastern tabell (and parganah) of the Moradabad district),

Boundaries.

18 bounded on the north by Moradabad, on the east
by the Rámpnr State (parganab Sháhabad), on the south
by Budann (parganabs Bisault and Islámnagar), and on the west by Samhhal.

The total area in 1881-82 was 382 95 aquare miles, of which 267 43 were onlivated, 42 56 cultivable, and 22 95 barren. The area paying Government revenue or quit rent was 302 46 aquare miles (242 81 cultivated, 39 56 cultivable, 20 09 barren. The mount of payment to Government, whether land revenue or quit-rent (including, where snoh exists, water advantage, but not water rates), was Rs 8,83,104, or, with local rates and cesses, Rs 8,75,702. The amount of rant, including local cesses, paid by cultivators was Rs. 7,34,288

According to the census of 1881, the tahsil contained 894 inhabited vil lages of which 88 had less than 200 inhabitants, 164 had between 200 and 500; 107 had between 500 and 1,000 25 had between 1,000 and 2,000 4 had between 2,000 and 8,000; and 4 had between 3,000 and 5,000. The towns containing more than 5,000 inhabitants were Chandausi (27,521) and Naranli (5,060). The total population was 229,784 (108,550 females), giving a density of 690 to the aquare mile. Classified according to religion, there were 16:,448 Hindus (79,768 females) 60,038 Minselmáns (28,444 females); 125 Jains ,58 females). 180 Christians (84 females) and 3 others (1 females).

The shape of the parganah is that of an irregular quadrilateral figure its eastorn and western eides approach nearest each other Physical features. on the north and recede from each other as they run sonthwards. The surface of the soil nowhere greatly varies. The levels taken by the professional survey show that the country gradually rises from south to north, the mean gradient being about one foot per mile. The eastern half of the parganah, however, lies considerably lower than the western gentle use from the Rampur boundary on the east to the Sambhal border on the west. A few disturbances are caused by the occurrence, at intervals, of bhile hillocks These, bowever, are rare and of insignificant extent. There are no sterile tracts at all. The land is generally fertile spontaneous growths are luxuriant groves are numerous The Gangan on the northern border runs between Bilari and Moradabad pargapalis and is n perennial atream with considerable volume in the rains. The Ari or Aril is a small stream which passes through the centre, and the Sot a larger stream intersecting the pargamah in the south. The climate in the valleys of the Ari and Sot is malarious.

The road communications of the parganah are inferior. Part of the unmetalled second-class road from Moradabad to Aligarh runs through the north-west corner. There is one long unmetalled second-class road from Chandausí to Moradabad, viâ Bilárí. From Chandausí old unmetalled roads run to Sambhal, Budaun, Anúpshahr, and Bareilly, some straight, others in circuits taking in important villages. The Moradabad branch line of the Oudh and Rohilkhand Railway now runs right through the body of the parganah. The roads that branch out from Chandausí bear traces of having once been regular traffic thoroughfares. They were the feeders of the extensive mart of Chandausí.

Of the whole cultivated area Mr Crosthwaite estimated that spring crops occupied 41 per cent and autumn 59 Sugarcane is the best paying crop in the parganah. In 1843 there were 1,548 sugar-mills; in 1874, 3,533, or an increase of 1,989, showing that the cultivation of cane had more than doubled

The rise in prices had been very great between the penultimate and last settlements. Wheat rose from 34½ sers in 1845-57 to 21 sers in 1863-74, or 62 per cent; gram from 43½ sers to 24½, or 76 per cent, barley from 60 to 31½, or 90 per cent, sugar (khánd) 4½ to 2¾, or 55 per cent, juár from 70 to 29, or 141 per cent, urd, múng, moth from 46½ to 25¼, or 81 per cent; bájra from 49½ to 29, or 71 per cent, and cane-juice from Rs 16 (per karda of 50 mds) to Rs 29, or 81 per cent. Excluding juár and cane-juice the rise was 73 per cent. It is since the mutiny that the rise has been so rapid.

Chandausí, Bilárí, Naraulí, Kundarkhí, Seondará, and Junahtá All these have large weekly markets for all kinds of local produce. There is one widely-known fair which is really a cattle-market, held once a week at Rith, a village to the east of Seondárá. It sprang into existence about thirty years ago. All the surplus produce of the parganah itself, and of a large country beyond, flows into Chandausí. The chief staples are sugar, grain, and cotton. Bilárí exports very little cotton, most of what is grown being used by the producers themselves. Grain and sugar are its chief contributions, and of these sugar is much the more important. There is a regular corporation of brokers who conduct the whole export and import business. Grain is exported to the dearest market, cotton goes chiefly to Calcutta; nearly all the sugar is despatched to the Panjáb and Rájputáná.

The modern parganah of Bilari was constituted only in 1844, the area included in it having previously been divided among three small parganahs, Scoudara, Kundarahi Sirii, and Narauli These were partly amalgamated in the modern parganah of Bilari, but aome of their villages were transferred to Sambhal and Moradabad parganahs.

The early assessments do not appear to have been excessive Mr Money s, in 1842 fell at the rate of Rs 2-5-3 on the acre of cultivation, but so rapid had been the increase in bringing weste lands under the plough, that in 1878 the incidence had fallen to Hs. 1.77 None of the severer processes for the resultation of revenue were needed during the thirty years 1842.72, and the value of landed property in the parganah increased enormously, from an average price of Rs 9 10-10 or seven years purchase to Rs. 17.14-4 or fifteen years purchase of the revenue demand. The actual assessments have been given in the district notice. Of the proprietors the most numerous are Rajputs of the Bargájar class. Hindus owned, in 1875, 362 estates (98,077 acros) against 189 existes (48,932 acres) owned by Muhammadans. Léla Bulákichand a Kayath, and son of a former kandago, was the largest single owner (48 estates), and Ról Pardumán Kishn, a Khatri, the next (35 estátes). [See further supra, pp 94 104]

Bilari.—Head-quarters of tabel past menuoned, and a railway station on the Oudh and Robilkhand Railway, 15 onless from Moradabad and 11 miles from Chandau i. Latitude 28° 37' 15" longitude 78°-50' 80" Population 4,861 (2,884 females) Its wards are —Bardi, Julkhin, Karlán, Shaikh Abdulláh its publio buildings, a tabelli, munsli, police outpost, tabelli school and a second-class branch di pensary spatients 18 *80 income Rs 457-80, from a Govern ment grant, in 1881), six Hindu fomples, five mosques, and one idadh. The old Thakur samindars have lest ground and two-thirds of the villago lands helong to Rija Kishin Kumár, a stealthy talukhdir. The watch and ward of the town is provided for by taxation under Act XX of 1856

During 1850-Bi the house fax thereby imposed, together with a balance of Rs. 58 from the preceding yes gare a total income of Rs. 56. The expenditure, which was chiefly on police (3s, 742) and emercrancy (Rs. 149), amounted to Rs. 1,045. The returns sho ed 1770 houses, of which 815 were aversed with the taxt the incidence being Rs. 1-5 8 per borse assessed and Rs. 0-2-to per head of population.

Chandnust.—Municipal fown in tabell Bilder. Latitude 28° 27' 15" north longitude 78°-19 -15" cast. Raflway station on the Ondh and Robilkhand Rail, way, with junction for Aligarh branch. Is situated 27 miles due south of Morad abad, nearly midway between the Sot and Bau streams, at a distance of 4 miles from each. Its distance from Allahabad is 355 miles, vid Lucknow and Cawupore

The populations by the censuses previous to 1881 have already been given in Part III. By the census of 1881 the area was 220 acres, with a total population of 27,521

GAZĒTTEER.

(12,618 females), giving a density of 125 to the acre. The Population. Hindus numbered 20,381 (9,349 females); Musalmáns 6,990 (3,199 females'; Jams 29 (13 females), Christians 118 (56 females), and those of other religions 3 1 female). The number of inhabited houses was 21,236.

The following is a statement of the principal Occupations occupations.-1

(I) Persons employed by government or municipality 131, (III) ministers of the Hindu religion 221, (VIII) musicians 96, (XII) domestic servants 141, (XIII) money-lenders and bankers 41, brokers 214, small ware dealers 49, (XIV) carriers on railways 234, (XV) carters 552, (XVII) weighmen 119, porters 516, (XVIII) landholders 66, landholder's establishment 1,147, cultivators and tenants 1,090, (XXVII) carpenters 227, bricklayers and masons 132, (XXIX) cotton merchants 80, cotton carders 58, weavers 145, calico printers and dyers 75, cloth merchants (bazáz) 141, tailors 164, makers and sellers of shoes 119, makers and sellers of sacks and bags 41, washermen 77, barbers 154, (XXX) butchers 107, dealers in corn and flour 857, confectioners (halwai) 143, green-grocers and fruiterers 121, grain parchers 66, persons employed in the manufacture of sugar 65, tobacconists 90, condiment dealers (pansári) 80, (XXXII) manufacturers and sellers of oil 82, makers of grass screens (sirki) 45, (XXXIII) sweepers and scavengers 283, earthenware manufacturers 107, water-carriers 288, gold and silver smiths 124, braziers and coppersmiths 96, blacksmiths 94, (XXXIV) general labourers 850, (XXXV) beggars 248

. Chandausí wears the aspect of a busy town The main thoroughfare is the railway, but three second-class roads and four third-Site and general appearance class roads branch out from Chandausi, the former connecting it with Moradabad (27 miles), Sambhal (17 miles), and Budaun (28 miles), and the latter (one of which is a second-class road for part of the way) communicating with villages in the neighbourhood, while some of them leading by circuits into the main reads already mentioned. The town itself is traversed by broad, well-made metalled roads, named after the city or town to which they lead Formerly gates existed, but the framework of two is all Most of the lanes are paved with brick. There are five paráos or halting-places for carts, surrounded by walls and planted with trees.

The town is divided into eleven quarters, of which eight are called darwázas from the gateways that formerly existed They bear Wards the names of the following places:-Moradabad, Sambhal, Khurjá, Kaithal, Bisaulí, Jaraí, Kherá, and Síkií The three other quarters are the Ratan, Mahajan, and Sundai muhallas

The public buildings are the iailway station, municipal town-hall, a firstclass police-station, post-office, sarái, tahsílí, and free municipal school. The 2 Probably understated. The Roman mumerals indicate the classes in the census returns.

184 YORADABAD

rollway station, as already mentioned, is the junction for the branch line (60.74 miles) to Aligarh, and has a very considerable traffic, besides being an important one for military purposes. A new street, leading from the town to the railway station, was made in 1879 by the removal of blocks of houses that barred the way. On the borders of the city, a short way from the railway station facing the line, is the sardi, a large and handsome enclosure of red brick.

The natural drainage of the town is by the Parkota nala, which courses along its northern border and then turns, almost at Drainage right angles, to skirt the west side of the town Where it parts from the town at its south west corner, this nala posses into a lorge shallow excavation called the Khurid Dariotic tell, which is said to be a third of a mile square. During the rains the town drainage falls into it, and a cutting about 4 feet deep and 6 feet wide carries off the excess water to a stream which leads to the Sot river Dr Planck, as long ago as 1868 pointed out the means for reclaiming the land on which this that has been made, and so removing n fruitful source of fevor outhreaks. On the east side the town is similarly drained to a ditch which has its exit in the excavation shove described A large new main drain was under construction in 1880 31 with a view to improve the drainage of the town Tho water-supply comes entirely from wells and is reported to be good. The general health of the people, as evidenced by the death-rate (84 87 per thousand in 1880-81), appears to be not werse than is found in most other manicipal towns. There are 12 mosques and 18 Hindu temples in the town but no audient huildings of any interest.

It is as an emporium of all sorts of country products that Chondansi has risen to importance. All the surplus produce of the Trade and manufactures. pargattah and of a large country beyond flows into lt, and although it was known as a great trade centre before the open ing of the railwoy, it has minch increased in wealth and importance since that event, which happened in 1874. The chief staples are sugar, grain, Sugar is chiefly exported to the Panjab and Rajputana; grain to the dearest market which are constantly varying Cotton goes chiefly to Cilentia It comes in considerable quantities from Rampur and Budaun for re-export towards Barrilly and Lucknow Sumbhar salt and piece goods are the chief imports. Cotton cloth is the only monufacture of importance Mahlullaganj taking its name from Mahhnlla Klian, the founder, and the hallmen are the principal markets, Thesday being the day for the former and Tue-day and Wednesday the days for the latter Cart traffic, though on the wane, still goes on, and a few of the great Jat carriers from the Laujah

and Rájputána may yet be seen in the Chandausí market-place. They are generally called Pachádes, or 'west-countivmen,' and easily recognized by the enormous size of their wagons and oxen. Year by year, however, competition with the railway tells against this old-fashioned carrying trade. The enormous amount of salt imported by rail is distributed by carriers to the surrounding country.

The municipal committee of Chandausi consists of nine members, of whom three sit by virtue of their office and the remainder by election. The income of the municipality is derived chiefly from a tax on professions and trade, falling in 1881-82 at a rate of six anas and two pies per head of population. The total income in 1881-82 was Rs 18,973 (including a balance of Rs 6,593 from the previous year). The expenditure in the same year was Rs 17,251, of which the principal items were original works (Rs 3,949), repairs and maintenance of roads and drains (Rs 3,511), police (Rs 5,114), and conservancy (Rs 2,134).

Until very recently Chandausi was a mere village, the date of its foundation by one Ibráhim Khán being given, traditionally, as 1757

A D A well described by his name still exists. Daula Sáh, the treasurer of the Rohilla chieftain, 'Ali Muhammad Khán, is the only other personage of note in connection with the place. The Marhattas are said to have plundered the town during their invasion of northern India, and it suffered during the outbreak in 1857

Chhajiait — Small village in tahsil Amrohi, on the Moradabad-Bijnor road, 13 miles from the former town and 14 from Amrohi, near the Karula river. Latitude 28°-59'-15", longitude 78°-39'-45" Population 283 Has a first-class police-station and an imperial post-office

Chháorá — Village in tahsíl Bílárí, 21 miles south-east from Moradadad and 10 miles from Bílárí. Old Thákur village Latitude 28°-30′-30″; longitude 78°-58′-15″ Population 2,127 (987 females). A place pointed out as the scene of a battle between the Baigújars and Bhíhars lies to the southwest of the present village i

Chuchailá Kalán — Village in tahsíl Hasanpur, on the Dhanaul Bijnor road, distant 33 miles from Moradabad and 20 from Hasanpur. Latitude 28°-59′-50″, longitude 78°-18′-35″ Population 2,006 (963 females)

Darhiál²—Town in tabsíl Moiadabad on the road from Moradabad to Naini Tál, 22 miles N-N.-E from Moradabad and one mile from the Kosi river, which is crossed by a bridge of boats in the dry season and a ferry in the rains.

¹ Ganga Parshad, the authority for this statement, gives the latter tribe as 'Bhians,' but propably means Bhihars, the traditional predecessors of the Bargújars in the Upper Doab See Wilson's Glossary ('Bhihar') ² There is another place of this name in the south of Hasappur tabsil

186 HORADABAD

Intutude 29°-8'-30" longitude 79°-3' 80" Population 4,651 (2 289 females), of which Banjárás constitute a large proportion. The nine wards in Darhidlare —Bharpur, Madáriwála, Banjáron ká mnhalla, Ghosipura, Milak Hason, Háthiwálá, Umráonagar, Milak Tukráb, and Magra Sána. It bas adák bungalow and a police outpost. It has little trade, country cloth being the only local manufactor. The watch and ward of the town is provided for by taxation under Act XXII. of 1856.

During 1880-81 the house-tax thereby imposed, together with a balance of Ra. 854 from the preceding year gave a total income of Ra. 857. The expenditure, which was chiefly on police (Ra. 347), public works (Re. 94), and conservancy (Ra. 189), amounted to Ra. 691. The returns aboved 1,274 houses of which 404 were assessed with the tax; the iticidence being Ra. 1.3-6 per house assessed, and Ra. 0-1-6 per head of population.

Dhaka. — Village in tahail Hassipur, 14 miles north of the Hasaipur Sambbal road, 29 miles from Moradabad and 8 from Hasaipur — Latitude 28°-41 - 48° longitude 78° 25′-40° — Population 2,018 (983 females).

Dhaka (or Dhákah) — The name of an extinct parganah absorbed in the Hasanpur parganah (and tahsil) in 1844. It is 19th in the list of mahals in sarkar Sambhal given in the Ala-4 Alban.

Dhanaura.—Muutepal town in tahail Hasanpur Lies on the plain 9 miles east of the Ganges, 44 west from Moradabad, and 15 north from Hasanpur Latitude 28 57' 80' north; longitude 78' 18'-0' east.

The populations by the censuses of 1858, 1865, and 1872 bave already been given in the district notice. By the census of 1881 the area was 115 acres, with a total population of 5,204 (2,198 females), giving a density of 46 to the aero. The Hindus numbered 4,576 (1,997 females); Musalmáus 724 (300 females). Ohristians 4 (1 female) The number of inhabited houses was 654

The town is described as a compact little place, with a neat causewayed market place, and as wearing an air of business. There are few good bouses in the town, most of them being built of mud. The bázár, about haif u mile long, is made up in great part of three market-places standing in line, through the centre of the town, with a wide metalled road passing down their midst; and this arrangement furnishes an open middle part to the town well calculated to ensure a constant supply of fresh air and supply convenient places for the despatch of business. There are several broad, remarkably well made metalled roads in the town, which are farnished on each side with saucer-drains of the best kind. The wide metalled road already mentioned is continued to join the main road from Moradabad 18eppl. Gloss., 11, 1215.

to Meerut near the village of Gajraulá, nine miles from Dhanaurá. There are seven quarters (muhalla), called Mahádeo, Súthátí (thread-market), Katrá, Bázárganj, Gujrán (Gújars' village), Jatán (Játs' village), Chamárán (Chamárs' village). The public buildings are a police-station, a post-office, and two schools, one a Government halkabandí, and the other a municipal free school. The natural dramage of the town is towards the south-west to a nála (stream) which finds its way to the Ganges.

Trade.

Trade.

patganah. It attracts the sugar of the surrounding country, both of the Moradabad and Bynor districts, and exports it to the native states through Dehli, importing salt in return. At present the trade is rather diminishing than advancing, and it has been found necessary to lighten the incidence of the tax on trades and professions. The reason for this retrogression is that Dhanaurá is comparatively remote from the railway, and that the latter more and more diverts trade from it

The municipal committee of Dhanauia consists of nine members, of whom three sit by virtue of their office and the remainder by election. The income of the municipality is derived chiefly from a tax on professions and trade, falling in 1881-82 at the rate of nine anas and six pies per head of population. The total income in 1881-82 was Rs. 3,636. The total expenditure during the same year was Rs. 3,600, including Rs. 1,240 on police.

The town is said to owe its origin to one Nathe Khán, an excise officer of Origin of town the Nawáb Wazír of Oudh, who founded it in 1783 A D.

Dilárí.—Village in tahsíl Thákurdwárá, 13 miles north from Moradabad and 13 south-west from Thákurdwárá Latitude 29°-2′-35″, longitude 78°-47′-25″. Population 2,104 (females 936) Was formerly included in the old parganah of Mughalpur; but transferred by Mahendar Sinh, it is said, to Thákurdwárá.

Faridnagar — Village in the north of tahsil Thákurdwárá, 2 miles from Thákurdwárá and 24. from Moradabad Latitude 20°-10′-50″; longitude 78°-55′-50″. Population 1,979 (928 females). Its only claim to notice is that it was the seat of a former influential Rájput family, which owned the entiré parganah of Thákurdwárá before the cession. The last member of it who retained possession was Mahendar Sinh (sometimes called rája), but 'Ali Muhammad Khán, the Rohilla, removed him in favour of a creature of his own

Fatehpur Shamshoi — Village in the south-east corner of tahsil Sambhal, 34 miles from Moradabad and 17 from Sambhal. Latitude 25°-23″-0″, longitude 78°-45′-45″. Population 2,888 (1,852 females).

188

Gajraniá.—Village in taháil Hasanpur, near the junction of the Dhanaurs Hasanpur with the Moradabad Meerut road, at a distance of 29 miles from Moradabad and 8 from Hasanpur Latitude 28°-50'-45° longitude 78° 16 48' Population 1,204 Has a district post-office and an encamping-ground for troops, tha latter about a mile to the west of the village on the Moradabad Meerut road

Hasanpur — Western tahsii (and perganah) of the Moradabad district;

Boundaries Básbta), on the east by Amrohá and Sambhal tahsíls,
on the south by the districts of Budann (parganah Rájpura) and Bulandehahr
(parganah Abár), and on the west by Bulandehahr (parganah Ahár) and
Aleerut (parganahs Púth, Garhmuktesar, Kithor, and Hastinápur) The total

Area, revenue and reat.

298-68 ware cultivated, 209-00 cultivable and 44 86

barren The area paying Government revenue or quit-rent was 496 59 square miles (259 87 cultivated, 19414 cultivable, 4258 barren) The amount of payment to Government, whether land revenue or quit rent, including, where such exists, water advantage, but not water rates), was Ra. 1,88,618 or, with local rates and cesses, Ra. 2,14,647 The amount of rent including local cesses, paid by cultivators was Rs. 4,91,720

According to the census of 1881, the tabsfl contained 520 inhabitants repulation.

183 had between 200 and 500 41 bad between 500 and 1,000 14 had between 1,000 and 2,000, 3 had between 2,000 and 3,000; and 1 had between 3,000 and 5,000. The towns containing more than 5,000 linhabitants were Hasanpire (9,142), Bachhránn (7,046), and Dhanaurá (5,304). The total population was 161 609 (74,453 females), giving a density of 296 to the square mile. Classified according to religion, there were 122,199 Hindus (55,601 females); 39,28° Alusalmáns (18,703 females). and 328 Christians (149 famales).

Tabsil Hesanpur is a large compact tract of country running nearly due

Physical features.

north and south a parallelogram in fact, with the Gan
ges as its bare. Its greatest length is about 40 miles,
and its greatest breadth about 18 miles. The general physical features of parganali Hasanpur are similar to those most with in all tracts lving over the river
Ganges. The high sandy slope of the watershed leads to the allovial basm, indeut
ed by elevations and depressions. Beyond this is the river with its bleak sandy
wastes and reed jungle, its forking, bewildering channals and quicksands. But
the parganab is a far more perplexing subject than even these audden changes

in aspect would lead us to anticipate, and, except in the great bhúr plain, there is often such a chaos of physical features as almost to defy systematic grouping. The two great divisions of the parganah are the vast sandy plateau on the east. The two great natural and the great alluvial plain on the west. These two divisions tracts divide the parganah pretty equally between them, the former rather preponderating. The bhúr tract-runs north and south and maintains a tolerably uniform breadth throughout, tapering slightly towards the remote south. This great tract is separated from the alluvial plain by a long and winding marsh called the 'Bagad'.

Mr Smeaton's very full description of these tracts has been already given in the district notice (Part I).

The Ganges, during its course along the base of this parganab, flows nearly north and south. Its course has been recently surveyed, but the results have not yet been published. The exact area of alluvial land cannot, therefore, be stated, and the constant changes, towards the south of the tahsil, alluded to already¹, would render any statement made on a survey of many years ago hable to mislead. The other rivers of the tahsil are scarcely worthy of the name and are rather drainage channels, which in time of flood are enormously swollen.

With the exception of twelve miles of the Moradabad-Meerut road and a small branch, nine miles long, from Gajraulá to the town of Dhanaurá, the parganah has no metalled communications at all. The rest of the roads, six in all, are very poor specimens of their class

The climate is, on the whole, healthy, both in the high and low tracts It is stated that there are no traces even in the khådar Climate of those fever epidémics that are so prevalent in tracts like the Sot valley in Sambhal, the people seem healthy in all seasons. The crops grown are those which are cheapest and require least labour in raising, and no care whatever is ordinarily taken Agricultural products , in the purchase or selection of seed. In the great bhúr plain there is more kharif than rabi farming. The chief autumn crops grown are bayra, moth, mung, urd; some arhar and cotton near the hamlets, and a little 'chin' sugarcane wherever there is a low strip of land; most villages have a chhúiá oi little drunage channel, on which the last can in good seasons be The spring crops are chiefly barley, wheat, bejhar (a mixture of barley, peas, &c.), and, when all else fails, tará (an oil plant). In the winding jhil

belt the autumn produce is almost entirely rice, chiefly munit, often followed, on the higher fields, by a second crop of barley, wheat is rarely sown on the numit land. The remote lands near and round the hamlets grow wheat, harley, and here and there 'chin cane; but the gur of the cane grown on this and the Lhadar tract is considered inferior in quality to that of the bhar, not so clear in colour and not so sweet.

Ou the khddar the cultivation is chiefly rabi. There is not too, and a good deal of 'chin cane, but wheat and barley are the principal products. There is also, what is not seen in other parts of the country, a considerable area cropped with oats, which the people call jet. The harvest on the khddar is late on the bhdr it is early

At the settlement under Regulution IX. of 1893, the area now included in Hasanpir was parcelled out among seven different pargandhs, vis. Ujhāri, Bachhráon, Tigri, Hasanpir, Dhákā, Dhabārsi, Sirsi, and included 503 revenue-paying (Lidisa) with 47 revenue-free (mudf) villages, in all 550, with an area of 291,877 acres. The revenues for the four periods preceding the settlement of 1848 have been already given in the district notice. The assessments of the first and second periods were almost identical. The quadrennal settlement gave an increase of 41 per cont., and the quinquounlal average (1888-42) is higher by 80 per cent than the quadrennal settlement of revenue from 1805 to 1842 was Rs 64 683, or 86 per cent. in 38 years.

Mr Money's assessment, due to revenue demand at six tenths of the deduct rental, but large reductions were ordered, the final assessment being Ra 1,80,933 Minor changes, such as loss by diluvion and increase by alluviou and resumptions, brought the total revenue demand current in 1879 (before the new settlement) to Ra 1,82,219 From 1848 to 1878, a period of 85 years, coercive measures were required in only 21 out of u total of 894 mahdls During the same period transfers of revenue-paying properties took place to the extent of 187,001 acres, or more than twu fifths of the parganah, including 75 entire villages and parts of many others. From the prices realised at sules it appears that the value of land in Hasanpur more than doubled and the value of ugricalitural produce rose about 90 per cont. [See further supra, pp 91 101]

The greater part of the parganah is owned by Muhammadaus The Proprietors.

Hindu properties are divided out amongst u variety of separate castes and families; so that Muhammadans are the really influential class in the parganah. The statistics of the recent

settlement show that the Muhammadans had nearly one-half of the parganah entirely in their own hands, while the Hindus had not quite one-third is, moreover, no great Hindu landlord body to match the Shaikhs on the Muhammadan side The Tagas, Thákurs, and Játs, who are at the head of the Hindu proprietors, hold a good deal less than the Shaikhs; they are as a rule ignorant, backward, and unrefined, and such little influence as they have is purely local The Gosáin property is noteworthy. It is of very old standing, dating back, it is said, from the Hindu supremacy. Apparently the Nawab Wazir was kind to the sect, then represented by Man Ban. The Nawab Wazii added some muafis to the property, and probably secured the weight of Mán Ban's influence in this distant limb of his province. Any influence which the Gosáins may have once had, social or religious, has long since vanished. Among the Muhammadan landloids the principal are the Bachhráon Maulavis, Kázís, and Mullás Chaudhris), the Patháns of Hasanpur and of Rámpur, and the Mullás of the south. The real landed gentry of Hasanpur are the resident Sharkhs and Pathans Their authority is respected by the tenantry, and their rule is of the rule paternal type. They are exacting in their demands, often harsh indeed, but they are better landlords than the Salvids of Amrohá. The prevalent proprietary tenure in Hasanpur is the zamindári.

GAZETTEER.

The rents of the parganah are almost entirely paid in kind. There is an area of 9,117 acres held in sir, and 2,699 acres in think that, by the zamindais; in all 11,816 acres, or 1008 per cent of the present cultivated area of the parganah. Deducting this, there remains a tenant-held area of 105,248 acres. Regarding the tenantry Mr. Smeaton writes:—

"The Hindu cultivating community holds six times more land and is nearly six times more numerous than the Muhammadan. The majority of the Hindu peasantry are of the lower castes, and the Muhammadan tenantry are chiefly Mullas or Nau-Muslims. The peasantry are living, virtually, in a state of serfage. Generally speaking, as long as the tenant submits unconditionally to the will of his landlord, does not hanker after independence, does not seek to have his rent commuted into money and cultivates his holding diligently, he may live in peace, keep his free grazing, use (but not sell) the timber on the waste, and cut as much thatch as he needs for his house and sheds. But the moment he seeks to assert his independence, dares to aspire to money rents, or to claim grazing, timber, or thatch as his right, the landlord looks on him as a renegade and seldom fails to crush him."

Hasanpur—Town in tahsil Hasanpur, lies on the plain 5 miles east of the Ganges and 33 miles west of Moradabad Latitude 28°-43′-28″ N; longitude 78°-19′-25″ E The populations by the censuses of 1853, 1865, and 1872 have already been given in the district notice. By the census of 1881 the area was

126 acres, with a total population of 9,142 (4,517 females), giving a density of 72 to the acre. The Hindus numbered 4,168 (2,041 females); Musalmans 4,964 (3,478 females), Obristians 15 (3 females) The number of inhabited houses was 1,156

Patháns of Hasanpur formerly furnished numerous recruits for cavalry regiments, but since the mutiny they have chiefly confined themselves to agriculture. The town derives its name from Hasan Khán, otherwise called Mubársk Khán, who founded it in 1634, after onsting the Gosáins who previously owned the place. Its four wards are Kot, Hiranwála (the deer hunters), Lálbágh, and Káyathán. Public buildings:—tahsili, first-class police-station, post-office, and tahsili school; 12 mesques (two old) and 10 temples. Hasanpur has scarcely any trade or manufactures, being an agricultural town of merely local importance. Its watch and ward is provided for by taxation under Act XX of 1856

During 1850-81 the house-tax thereby imposed, together with a balance of Rs. 269 from the preceding year, gave a total income of Rs. 1878. The expanditure, which was chiefly on police (Rs. 189) and conservancy (Rs. 443) amounted to Rs. 1844. The returns showed 3,778 houses, of which 1861 were assessed with the tax: the incidence being Rs. 6-14-7 per house assessed and Rs. 6-2 per house of population.

Harratnagar Garhi.—Agricultural village in tabeil Sambhal, 21 miles south from Moradabad and 8 miles north-east from Sambhal Latitude 28°-37'-30°; longitudo 78°-48'-0° Population 2,412 (1,184 females).

Jahtault.—Villago in tabul Hasanpur, two miles west of the Hasanpur-Rájpura road, at a distance of 40 miles from Moradabad and 8 from Hasanpur Latitude 28°-88'-5"; lougitode 78° 16'-52" Population 2,010 (925 females).

Junahtá.—Village in tahsil Bilári, 25 miles south from Moradabad and 11 south from Bilári, on the Sambhal and Chandausi road. Latitude 28° 28'-45°; longitude 78°-46'-45° Population 2,028 (990 females) A market is held here on Sandays.

Kaithal.—Villago in tahsil Bilári, 27 miles from Moradabad and 18 from Rilári, on the road to Islámnagar Latitudo 28° 25'-45"; longitude 78°-49' 0" Population 3,095 (1,445 females) The rillage was founded by Rapputs, but is now inhabited by all classes it contains some good gardens and fruit trees.

Kant.—Town in tabell Amrobé; 17 miles N E. from Amrobé and 17 miles N -N -W from Moradabad. Latitude 29°-3'-80" longitude 78'-40' 15". The populations by the censuses provious to 1881 have already been given in the district notice. By the census of 1881 the area was 126 acres, with a total population of 6,936 (3,460 females), girung a density of 55 to the acro. The llindus numbered 4,078 (1,989 females); Mussimáns 2,651 (1,468 females).

Jains 7 (3 females). The number of unhabited houses was 1,212. Kánt is also known by the name of Männagar (from Mán, a Bishnoí), and has seven wards as follows:—Ghosípura, Pirthíganj, Fakírganj, Chauk Bázár, Patáganj (the fencing quarter), Pattíwála, Bishnúpura. Public buildings:—Mission schools and police outpost, 4 mosques, and 8 temples. It is noted for its manufacture of cotton cloth, in which there is a large local trade. Market days are Mondays and Fridays. The watch and ward of the town is provided for by taxation under Act XX. of 1856.

During 1880-81 the house-tax thereby imposed, together with a balance of Rs. 139 from the preceding year, gave a total income of Rs. 1,468. The expenditure, which was chiefly on police (Rs. 738), and conservancy (Rs. 330), amounted to Rs. 1,243. The returns showed 2,236 houses, of which 1,795 were assessed with the tax—the incidence being Re. 0-11-10 per house assessed and Re. 0-3-0 per head of population.

Kundarkhí - Railway station and large village in tahsíl Bílárí, 11 miles from Moradabad and 4 from Bilárí Latitude 28°-41'-0"; longitude 78°-49'-45." Population 4,218 (2,093 females) The ancient name is said to have been Kundangarh, after Kundan Gir, a Gosáfn. Ahirs are said to have expelled the Gosáins and given the village its present name; they were in turn ousted by Thákurs, who still hold most of the lands. Saiyids hold also a certain proportion. The village comprises seven patters or shares and four wards. The wards are:-Sádát Bázár, Hakím Nuruth, and Káyathán; and the seven pattis are:-Chaudharí, Hábíb-ulla, Saiyid Zahúr, Teor, Jálápur, Basera, and Jaitpur. There is a third-class police-station here An annual fair is held near the village in honour of Más'úd Sálár Gházf, whose tomb is at Bahráich, and whose spirit is popularly believed to reappear (Dowson's Elliot, III, p. 362). He was one of the heroes of Sultan Mahmud Subuktigin. A half-legendary, half-historical account of him is given in the Mirát-i-Mas'údí (see Dowson's Elliot, II., p. 513). The watch and ward of the town is provided for by taxation under Act XX. of 1856.

During 1880-81 the house-tax thereby imposed, together with a balance of Rs 358 from the preceding year, gave a total income of Rs 1,150. The expenditure, which was chiefly on police (Rs 400), public works (Rs 390), and conservancy (Rs 200), amounted to Rs 1,096. The returns showed 1,450 houses, of which 743 were assessed with the tax the incidence being Re 1-1-2 per house assessed, and Re 0-3-0 per head of population.

Mainather.—Small village in tahsil Bilari on the Moradabad-Sambhal road, at a distance of 11 miles from each of those towns Latitude 28°-41′-45″; longitude 78°-44′-15′. Population 434 Has a third-class police-station.

Majholá.—Village in tahsíl Sambhal, one mile south of the Chandausf-Bahjoi road. Latitude 28°-24′-30″, longitude 78°-43′-45″. Population 2,227 (1,071 females). Chiefly owned by the rája of Majholá (supra, p. 66).

194 MORADABAD

cultivators, was Rs 5,87,563

Majhola (or Majhaula).—Name of an extract parganah new included in tahsil (and parganah) Sambhal 41st in the list of mahdle in sarkar Sambhal in the Afra-Afbari.

Manpur — Village in tahail Moradabad 10 miles from the capital town, on the Moradabad Kaladuugi road. Population 408 Has a third-class police-station and a district post-office.

Manpur Patti.—Village in tahsil Moradabad, 18 miles from Moradabad, near the Ramganga river Lautade 28°-56 -40° longitude 78°-56′ 18° Population 738 (351 females)

Moradahad.—North-eastern tahes (and parganah) of the Moradahad disBoundaries.

East by the Rámpur State (parganaha Sáár, Rámpur and
Patwái), on the south by the Rámpur State (parganaha Sáár, Rámpur and
Patwái), on the south by the Rámpur State (parganaha Sáár, Rámpur and
On the west by Sambhal, Amrohá, and Thákurdwárá. The total area in 1881-89

was 312 14 square miles, of which 204-20 were entity
vated, 66 53 onlivable, and 41 40 barren. The area
paying Government revenue or quit rent was 277 44 square miles (178 61 cultivated, 61 74 cultivable, 37 09 barran). The amount of payment to Government, whether iand revenue or quit-rent (including, where such exists, wateradvantage, but not water rates), was Rs 2,61,786; or, with local rates and
coases, Rs 2,97,170. The amount of rent, including local ceases, paid by

According to the census of 1881, the tabell contained 807 inhabited villages of which 70 had less than 200 inhabitants; 113 had between 200 and 500 92 had between 500 and 1,000 26 had between 1,000 and 2,000, and 4 had between 3,000 and 5,000 The towns containing more than 5,000 inhabitants were Moradabad (67,887) and Minghalpur (5,277). The population was 281,863 (110,207 females), giving a density of 748 to the square mile Glassified according to religion, there were 181,209 Hindus (62,471 females) 98,616 Musalmina (47,817 females) 162 Jains (60 females); 727 Christians (271 females); and 149 others (32 females). The tabell, as it now stands, is a tract of land of irregular shape, broad

Tho tailed, as it now atanda, is a tract of land of irregular shape, broad at the south, where it joins the parganah of Sambhal and Bilári, and narrowing, gradually, as it runs up northwards between the Nawab of Rampur's territory on the cast and the parganahs of Amroha and Thakurdwara on the west. Five villages—Pipli Nack, Chandupura-Sikampur, Ledbipur Nack, Darbial, and Burhi Darhial—lie a

little to the north-east of the parganah, being separated from the main tract by part of the Nawab's territory The Ramganga intersects the parganah in its broadest part, running from north-west to south-east It joins the Kosi near the south-east boundary. The latter river touches a few of the villages in this part of the parganah and two of the detached villages above mentioned, viz., Darhial and Burhi Darhial, in the north. The pargainh is separated from that of Thákurdwára, along the greater part of its western side, by the Dhelá, which, leaving the boundary at Bhojpur, runs into the Rámgangá a few miles to the north of Moradabad. The Rúmgangá, Kosí, and Dhela rivers all more or less influence the land adjacent to them. The Ramganga, especially, has large planes of low-land on either side, which are subject to fluvial action and vary continually, both m area and the quality of their arable land, with every change in the river's course. Minor rivers are the Gangan in the south-west of the parganah, and the Bah (or Bahala), which runs along the Nawab's boundary on the east. These two rivers have fixed beds, and do not affect the lands on their banks to any important extent. The Gangan, however, has at times a considerable flood, and the embankment of the Oudh and Rohilkhand Railway, by preventing the flood from spreading over as wide an area as it formerly did, has caused some damage to several villages. The Bah is used for irrigation purposes, and if properly utilized would be of great advantage to many villages. At present all the dams, without exception, belong to the Rampur people, and our villages depend for their supply of water to some extent on the caprice of the Rúmpur officials, who naturally look to the interests of their own villages first There are several small streams, such as the Rajherá, the Nachná, and Khabrá, which carry the drainage from the north down to the Rámgangá. They need no particular mention. Beyond causing a small addition to the barren area, and affording in places a scanty supply of irrigation, they are of no importance.

The soil of the parganah is of a very varied character. There are two wellmarked bhár tracts: one running along the west of
the broad base of the parganah, from the high lands of
Agwánpur through Páekbara to Nagla Nidár, the other lying above the Bah
on the eastern boundary of the base. Elsewhere the soil changes continually
with the level, tending to clay in the hollow and lowlying lands, and being
more or less mixed with sand in the higher parts. It is, on the whole,
decidedly fertile in character, and admits in most places of the construction
of earthen wells, the water being seldom more than 13 feet or less than
8 feet from the surface. The wells are almost invariably worked with the lever
(dhenkli).

196 HORADABAD

The present parganah (conterminuus with the tahail) of Moradabad was constituted in 1848, immediately after the settlement made by Mr Money under Regulation IX of 1883. It was formed unt of portions of the old parganah of Sarkara (167 villages), Moradabad or Chaupals (96), Mughalpur (17), Kuudarkhi (9), Amrobá (2), and Thákurdwárá (4). Besides these, there ere 25 mudit villages not included in the old parganah statements. The assessments of former settlements, obtained by adding the demand of each mahál, have been given in the district notice. The assessment at the touth and last settlement showed a rise, roughly speaking, of 30 per cent, on the former demand

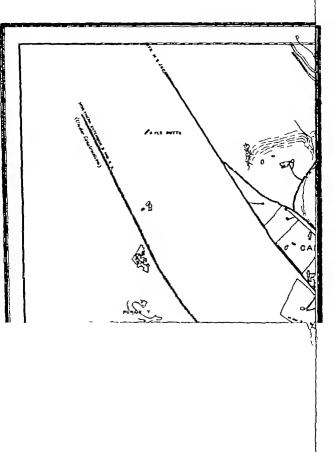
During the term of the previous settlement the everage price of land per acre rose from Rs 4-10-5 in the first ten years after the settlement to Rs 6-10-4 in the second, and to Rs 13-5 3 in the third, but no less than 40 per cent of the area (excluding confiscated lands), carrying 43 per cent of the land-revenue, changed hands during the thirty years (1848-78). This concurrence of an increasing value of land with an increasing area transferred is singular, but may be accounted for by the character of the Minhammadan landholders, and the greater facility of getting money on the security of land than existed formerly. There are very few high-caste brotherhoods and very few here-ditary ramindure of infinence, and the disappearance of the podhán ramindure seems not to be regretted. [See further supra, pp. 94-104.]

The custom of paying rent in kind is still common in this parganah.

The system in general use is estual division of the grain, or bata, and has been sufficiently described in the distinct notice. Sugar, cotton, makke and chars, as well as all garden produce, pay rent in cash. In many of the batár villages there is a custom by which cash rates, usually at the rate of Re 1 per kackéha bighs, are paid on a certain number of highms, generally limited to five, for each plough the tenant possesses. In these cases the tenant is permitted to select the land for which be chooses to pay at each rates, and as a matter of course he selects those fields which will bear the best crops. But the usual form in which cash rents are found is that of an all-round rate on the kackcha bighs, of which there are 6-4 to the acre. Very little enhancement of reut had been made up to the time of the recent revision of settlement, chiefly owing to the large area for which rents in kind were paid

The ordinary tenure is commader. The Muhammadau zaminders are the most
Proprietors: their classes
and tenures.

Aloradabad They manage their villages, sometimes through the headmen



(padhán or mukaddam), but generally through agents, and, to some extent, through lessees. The condition of the peasantry of the parganah compares unfavourably with that of the same class in the Doab, but the zamíndárs are in a better position, almost all having been for years in the receipt of large profits under the batái system.

Moradabad.—The head-quarters of the district of the same name, lies on the right bank of the Rámgaugá river, in north latitude 28°-51'-6" and east longitude 78°-48'-35"; at a distance of 383 miles (by rail) from Allahabad, and 64 (by road) from Nami Tál. The populations by the censuses previous to 1881 have already been given in the district notice. By the census of 1881 the area was 727 acres, with a total population of 67,387 (32,803 females), giving a density of 92 to the acre. The Hindus numbered 32,609 (15,309 females); Musalmáns 34,383 (17,349 females); Jains 141 (56 females); Christians 202 (69 females); and those of other religions 52 (20 females). The number of inhabited houses was 11,080

The following is a statement of the principal occupations in the municipa-Occupations lity (excluding cantonments):—1

(I) Persons employed by Government or municipality 510; (III) ministers of the Hindu religion 247, ministers of the Muhammadan religion 47, (IV) barristers and pleaders 50, (V) hakime (native physicians) 43, (VIII) musicians 425; (IX) school teachers 144, (XI) inn-keepers (bhatyara) 83, (XII) domestic servants 1,026, (XIII) money-lenders and bankers 160, moneychangers 108, brokers 113, commercial clerks 371, small ware dealers (bisáti) 96; (XV) pack carriers 79, carters 340, palanquin keepers and bearers 152, (XVII) porters 617, messengers 601, (XVIII) landholders 508; landholder's establishment 82, cultivators, and tenants 1,284, gardeners 311, agricultural lubourers 86, (XIX) horse-keepers and elephant drivers 141, breeders of and dealers in sheep and goats 51; (XXVII) carpenters 293, bricklayers and masons 327; (XXIX) cotton-carders 161, weavers 1,118, calico printers and dyers 124, weavers and sellers of carpets 244, cloth merchants (bazdz) 182, tailors 347, washermen 254, barbers 411, rope and string makers and sellers 54; (XXX) milk-sellers 135, butchers 75, corn and flour dealers 596. confectioners (halwaf) 180, green-grocers and fruiterers 193, itinerant victuallers (khanchawala) 67, rice-huskers 195, grain-parchers 95, tobacconists 79, betel-leaf and not sellers 44, condiment dealers (pansart) 124, preserve and pickle sellers 54, (XXXI) tanners and leather-workers 392, leather-dyers 87, (XXXII) manufacturers and sellers of oil 85, timber, wood, bamboo, and thatching grass sellers 77, makers of grass screen (sirki) 50, grass cutters and sellers 176, (XXXIII) hme-burners and grinders 56, brick-makers 58, excavators and road labourers 62, sweepers and scavengers 424, earthenware manufacturers 246, water-carriers 317, gold and silver smiths. 229. gold and silver lace makers and sellers 68, tinmen (kaldigar) 106, braziers and coppersmiths 809, blacksmiths 158, (XXXIV) general labourers 1,282, persons in (undefined) service (naukari) 2,228, pensioners 102, (XXXV) beggars 603.

The ridge on which the town is built forms the right bank of the Rámsite and appearance
gangá and is twenty to thirty feet above the river bed.
To the west of the town, and separated from it by the

² Roman numerals indicate the classes in the census returns.

198 NOBADABAD

iall, are the cantonments and civil station amongst luxuriant trees, and the verdure which prevails at all seasons of the year gives a pleasing aspect to the city and its vicinity. The town is traversed from west to east, with considerable windings, by n metalled road which is a continuation of the one between Moradabad and Alcerut. From Sambbal on the south west, and Chandausi direct south, roads unmetalled but raised and bridged lead to Moradabad and join at a stream (the Gangan) about four miles from the town. At two miles out the railway is crossed, and the road is metalled from that point into the city. To the east of the city, at the northern and southern extremities, two roads branch off, the lower one to Bareilly through Rampur, and the upper one to Kaladangi and Nami Tal The metalled approaches of the Barcelly road have, however, been washed away by constant floods for about half a mile on either side of the river, and it is now commonly reached by a (metalled) diversion road, leaving the Nami Tal one (itself originally a diversion as explained below) at the third mile, and connecting with the Barcilly road at the 7th mile, immediately south of the Rajhera bridge. The remaining distance to Bareilly is metalled. In the Naim Til direction, the original (unmetalled) road used, about the year 1860, to leave the city at the north west corner, to run northwards along the west bank of the river for some 24 miles, and to cross the Ramganga at its junction with the Dhela, opposite the village of Sihal From thence it struck in a straight line to the north-east. But n few years afterwards, when portions of the old Naini Tal road were being metalled, a diversion was made off it, which roas from the 7th mile out to the Jami' Masjid ferry (gldt) This ferry is opposite the centre of the city, and is where the majority of people now cross in going to Bareilly, Naini Tal, or Kashipur Ahridge of boats is kept up at most seasons of the year, and a large ferry boat during the height of the rains Thus travellers for Nami Tál now cross at the Jámi' Masjid, and drive along the metalled diversion road (passing, at three miles ont, the Bareilly diversion road) till they strike the old Naini Tál road near the village of Sirawan Gaur The Naml Tál road, understanding it thus is metalled right through up to Kaladungi, with the exception of portions of the 2nd and 3rd miles, which were washed nway by the floods of 1880 The remainder of the old road (ris., from Sirawan Gaur to the river at Sihal, and beyond it to the city) has been left numetalled There are a ferry and ford at Sihal. Here branches off, west of the Naini Tal road, the road (unmetalled but raised and bridged) to Kushipur and Ranikhet, and at the side of this it was at one time proposed to construct a light railway Some land was taken up for the purpose, but obstacles were found to exist, and the project was finally abandoned, about the year 1875 The Kashipur road thus connects with the Naini Til one, but

there is a country track on from Sihal down the east bank of the Ramganga to the new diversion: and of course the diversion can be reached by going back to Sirswan Gaur. The Thakurdwaia road, which is unmetalled and only partially raised and bridged, branches from the Káshípur road at Bhojpui, five miles from Sihal, crossing the Dhela stream there. Almost parallel with the road from Moradabad to the Sihal ford, but further west, runs the Bijnor road, which, although also unmetalled (except for one mile out of Moradabad), 18 raised and bridged throughout. A short way out there branches off a thirdclass road, which crosses the river by ford at Mughalpur; and runs through Dilári to Thákurdwárá. Lastly, the Amiolia (unmetalled) road branches off from the Moradabad-Meerut road at a village (Paekbara) about seven miles west of Moradabad There are thus nine roads that converge towards the town; although only six actually enter it. But the great artery for communiciation with the rest of the province is the railway. At present Moradabad is the most northern point of Rohilkhand to which the railway runs, but a further extension of the line is now under construction through the Bijnor district towards Šaharanpur.

The Collector's offices and the civil courts are at the north-west corner of the city, a short way outside cantonment boundaries. Public buildings' The other public buildings are the tabsili, police-station; dispensary, the tahsilf and high schools, and the literary institute, styled the British Indian Association, which has a reading-room and a muséum. This association was founded in the year 1868, and has continued under the care of Mir Imdad 'Ali, CSI It is located in a handsome building in the centre of the city, commonly known as the Municipal Hall Besides the Government schools, there are the American Methodist Episcopalian Mission schools, opened at various dates between 1860 and 1880, and comprising the following establishments:-one Anglo-vernacular boys' school, teaching up to the third-class or middle standard, with 156 boys on the roll; one branch school (upper pilmary) with 115 on roll, 7 small primary schools, teaching 125 boys in all; one girls' boarding school (upper primary) teaching English, with 105 on roll; 14 girls' day-schools (primary) teaching 300 in all. The principal of these was formerly a high school, but the upper classes were withdrawn, as there is a government high school in the town This last has a fine building, well situated on high ground commanding the river, close by the Jámi' Masjid ghát. The private schools are numerous, but their present number cannot be exactly stated. There are said to be about 60, including a Sanskrit and Arabic school.

200 HOBADABAD

The hospital huildings and native dispensary are situated in the main street of the oity opposite to the American Mission Church, with the tabsili on the right and the town hall on the left. The buildings are in a good state of repair, but scarcely adequate to the present wents of the institution. The daily attendance of patients is an au average 125 ont-door and 42 in door. The large number of operations for cyclideness, amounting in 1878 to nearly 1,000, and in 1881 to nearly 500, is remarkable. The dispensary mainly depends for its apport on the monicipality and on voluntary contributions, the furmer contributing Rs 100 per mensem. The manificence of a private individual, Ranl Kishori Kanwar, a Ját lady, has recently provided a poor house and measury well user the railway station at a cost of Rs 10,000. The poor house is a white gabled building of considerable extent, which is conaprenously visible on the right hand on outering the city by the Meerut road It was opened in the spring of 1881. The building contains accommodation for 100 paupers, and also a leper establishment.

The following description of the native town may be of service in connection with the annexed plan. The principal thorough-

fares of the native tonu are traversed in passing from the Jami' Masjid to the Bijnor road. After passing through some maignificant buildings, the read from the Jami' Marid, tending westward enters and becomes the Fairganj Bezer This extends for about half a mile farther, and then merges into the Mandi hazer, a very populous and stirring quarter. At the western end of this the Gang Kalan Bazar strikes into it from the north. Turn ing up Ganj Kalan the mission church, the tabell and the municipal hall are anccessively passed, and, shortly afterwards, the jail on the left hand and the post-office on the right By this time the traveller is on the Byner road, which continues through cantonments to the north west. There is snother broad road called Princes' road from the Jami Musjid, leading through the outskirts of the city, south of Fazgany, to the railway station ; but it is little frequented It passes first through muhalla Mughulpura, and in muhalla Pirghaib there is a hranoh road which runs northward, parallel to and west of the Ganj Knisn bázár Following this road, we pass through a large enclosed market-place (gan) belonging to Rani Rishori Knawsr The road then leads us belied the tabsili and the municipal hall, and as we pass the latter, we have, on our left, the newly constructed street leading to the railway. The road now

¹ Kindly supplied by Mr L. M Thornton C.S. The plan was prepared in the office of Maron, B.b.D., Dapuiy S perintendent, Survey of India and h a reduction from the large entry f mare, units a small propertion of the names of the mahallas could be shown with-mat mainly crowding the plan.

leaves on the left the Government distillery enclosure, and, passing through muhalla Kanjrí Saiái, merges, at a considerable angle, in the high road to Meerut. The Meerut road has also a straighter continuation, which traverses some numportant parts of the city and then strikes upon the Ganj Kalán bázár.

The quarters (muhallast into which the native town is divided are exceedingly numerous, the exact number at present being re-Muhallas. These ancient divisions are of service turned at 110 on such occasions as the taking of a census, and may be of use in internal municipal arrangements. The chief interest attaching to them is the light occasionally thrown upon the local history of the town by the names they bear. To give a complete list, with the derivation of each name, would, however, o cupy an amount of space out of proportion to their importance. It will suffice to mention a few of the more into esting names. Asalatpura refers to a former governor; Bára Sháh Safa to a local saint who lived here 150 years ago, Badshihi Misjid to a mosque built by a servant of the emporor Muhammad Shah, Bazar Diwan Kanh Mal to the minister of Dundi Khan, the Robilla, who founded it; Gulshalid to a saint (or martyr) of that name; Jami'Masjid to the builder Rustam Khán; Kághazi muhalla to the occupation of the former residents; Mahb-ullahganj to Mahb-ulláh, a son of Dúndí Khán, Tabela to the existence of a stable said to have belonged to Saiyid Ahmad, a commander in Mahammad Shah's army Many of the names, such as Strachey-gang, Sital Das, Kishn Lul, are taken from former officials or residents; others, such as Tambolí, Thathera, Tambákúwala, have an equally selfevident origin.

The site of the city is naturally well-drained into the Rámgangá, which Health and drainage

Tuns immediately to the east of it. Great improvements have been effected since 1868, when the Sanitary Commissioner (Dr Planck) wrote of it as the only large city in these provinces which had no system of conservancy. So much was done in the succeeding seven years that in 1875 Dr. Planck wrote.—" It is an improving city—indeed is so much improved since 1868 as to be hardly recognized as the same. The quite recently made highway from the city to the railway station has contributed to this change. With the change in appearance has come a considerable change for the better in its sanitary aspect cleanliness prevails everywhere about the city site, a sufficient conservancy establishment being employed."

The health of the town is in normal years good, but of late the general fever and cholera epidemics have not spared Moradabad. The death-rate per

thousand for the municipality from these diseases in 1880 was, cholera 57, fever 158, the total death rate from all causes being 3856, which is, however, below the average rate of that year (3787) for the 107 municipalities of the North Western Provinces and Ondh. The death rate for the contonments was only 531 in 1880 and 7 15 in 1881

The water supply is chiefly derived from wells, which are said to be numerous—no fewer than twelve new ones having been made in 1880-81—and the water is pronounced to be generally good. Dr. Whitwell analysed the waters of the station in July, 1869, and reported on them favourably, with the important reservation that, "owing to their proximity to the buildings, there was much reason to fear that they might become deteriorated. The water used in the barracks is drawn from wells close to the harracks themselves and is said to be very good.

A few monumental stones mark the spots where Hindn widows are ead to have committed sati in bygone days and these, said to belong to the Katebria Rapputs, are all that we find in the town of ancient Hindn remains.

The Muhammadan period, however, has left a few relies, among which the most important as the fort, or rather the rum of it that now alone exists. The traditional story of its foundation by Rustam Khan mentions a double human sacrifice which he is said to have offered to the Ramganga. The river, person! fied as a goddess is credited with having appeared to him in a dream, and with having indicated the mode in which the foundations of the fort could be saved from the wearing away which up to that time they had suffered. The remedy thus presoribed was the propitiation of the goddess by the averifice of a boy and gul, which the legend cays was forthwith done. Although more than 250 years have elapsed since it was built, the portion of the wall facing the river, is still standing, while the rest of the building is in runs-sufficient proof to the credulons of the efficacy of the ceremony This same Rustam Khan is credited by another tradition with harying silve the female portion of his family in a vault near the river on the becasion of his proceeding on some expedition. The Jami (vulgarly Jumma) Masjid is also said to bave been built in Rustam Khan a time, and the date of this event, secording to a Persian inscription on a slab fixed in the wall, was 1041 A. H (1631 A.D)

¹ In the last report of the Sanitary Commissioner (for 1981) the death rate is given as 25 to for the year trollar plant blocember 1881 but this rate in apparently been calculated on the 2 AM given in the condoct man the total forbit station cantoments, and unusileptity. This rate caseout therefore be compared with that given in text which was calculated on number plut population only.

The following is a romanized version of the inscription :-

Na būda dar Muradabad masjid, Ki bud bas kufir o-Hindu dar anja, Shah-i-'adil Shahab-ud din Ghazi, Ba Rustam Khan 'ata farmud anra, Bind farmúd 'áli gadar khóni, Dar anja masjide ra na o zebą, Bind e din-1 khudra kard muhkam, Ba dunya din-1-khudra kard bala, Par tárkki-r o har nukta-dásk, Shuda dar bahr-r-fikr az 'ub'-i ra'nd, Zu danayan yake zan bahr-1-ma'ni, birun dward luluyi-musaffa, Darakhshanda durre in ast bi-shunau, Za thrdri na az kluzr o masihá, Ki Rustam Khan za altuf-i-ildhi, Bina e khána-c-dín kard bálá

Freely translated, this informs us that, when Shahahan (described in the inscription by his surname Shahab-ud-din ('the Star of the Faith') bestowed the government of Moradabad upon Rustain Khan, the latter was concerped to find there was no mosque in the town, but that the latter was thronged with Hindus and infidels. To remedy this sad defect, and in proof of his spiritual devotion, he had this mosque built. The latter part of the inscription gives the date, after the abjad method.

The remaining buildings of ancient date may be briefly noticed. A tomb of Nawab Azmat-ullah occupies a place in a garden that belonged to his family in muhalla Nai Basti. The houses of Dundí Khán, the Rohilla chief, who at one time ruled here, and of his diwân (prime minister), both built during the Rohilla period, are still standing. The tomb of Asabat Khán, and the shrine of Sháh Bulákí, a daivesh who is honoured with an annual festival, deserve a passing notice. So perhaps do the house of Chindhri Mahtáb Sinh, governor (názim) of Moradabad under the Wazír of Oudh, now owned by the Nawab of Rámpur, and the house, market (gany), and garden of Khushhál Ráe, who was rewarded for services rendered to the British Government during the inroad of Amír Khán.

Moradabad is rich in newspapers and printing presses, having no less Literature. Printing than ten of the latter in 1881. Both are known by high-sounding titles, some of which whentranslated seem strange to English ears Among printing-presses we have 'Source of the Sciences' (Matta'-ul-'ulum), 'Gardens of light' (Riyáz-i-núr); among newspapers 'The Eternal tablets' (Alhbár-i-lauh-i-Mahfúz), 'The light of the press'

(Mur-ul-Akhbdr); these may suffice as specimens. The full list would probably be obsolete before it was published, as the life of a native newspaper is precarroos indeed.

The best known of the manufactures of this town is the metal work, of which Dr Birdwood gives the following description in his Hand-book — "At Moradshad tin is soldered on hrass and incised through to the brass in floristed patterns, which some times are simply marked by the yellow obtline of the brass, and at others by filling in the ground with some black composition of lac, after the manner of Niello work Similar work in the shawl pattern style is sometimes seen from Kashmir' Vases, plates, and, in fact, articles of almost every conceivable shape are made in this handsome work, which, when it is better known in Europe will doubtless secure a larger demand, while the present export is not inconsiderable.

It formerly derived encouragement only from government officials and a few wealthy natives who procured specimens through local agents. A great impetus, however, has, of late years been given to the manufacture, the value of the brara imported into the town during 1880 for the mannfacture of this ware being rather over a lakh of rup es Mr Alexander thinks that the revival dates " from the time when the ware has been commonly manufactured with a dark ground of lac tostead of being made only in brass and tin Formerly the process consisted simply in making up the hrees, which is received from Calenita in large sheets, into the shape required, costing it with tin much in the way that saucepans are plated in this country, and then cuiting out the pattern so as to show it in the brass, appearing through the tio playing, or leaving it in tin on the brass ground Lately the other system which had before fallen lote neglect, has been revived, and a thin layer of black lands pot on, which being scraped off throws out the pattern in lines or figures of tin and hrass. Several thousands of persons now earn a living by this work, which ten years ago only employed hondreds Chintxes and cutton cloths are manufactured in the city, chiefly for local consomption. The process of manufacture has already been described a

The trade of the town has been sofficiently described in the district notice, and all that need be here mentioned is the resolts of registration at the minicipal outposts. From the official statement we find that in 1881 82 the imports consisted mainly of grain (1,08,907 maonds), refined sogar (3,338 maonds), unrefined sogar (47,178 mauods), ghs (Rs. 1,11,085), other articles of food (Rs. 65,721), animals for lifted book to the Dritte Indian Section Farts Universal Exhibition, F. C3 (second cdition).

blaughter (45,212 head), oil and oilseeds (15,559 maunds), that coal (11,900 maunds), building materials (Rs. 65,329), drugs and spices (Rs. 88,812), tobacco (3,032 maunds), European cloth (Rs. 2,72,081), native cloth (Rs. 2,02,305); and metals (Rs. (1,78,918).

The municipal committee of Moradabad consists of eighteen members, of whom six sit by virtue of their office and the remainder by election. The income of the municipality is derived chiefly front an octroi tax falling in 1881-82 at the rate of Re. 0-10-3 on net receipts (i.e., after deducting refunds) per head of population. The total income in 1881-82 was Rs. 61,098 (including a balance of Rs. 2,900 from the previous year). The total expenditure during the same year amounted to Rs. 55,619, the chief items of which were collection (Rs. 4,495), original works (Rs. 2,915), repairs and maintenance of roads (Rs. 9,745), police Rs. (11,433), charitable grants (Rs. 3,503, conservancy (Rs. 7,847), and miscellatious (Rs. 12,009)

The ancient name of Moradabad was Chaupala, as the original town was formed by joining the habitations of the four villages Bhadaurá, Nawábpura, Mánpur, and Dehrí These still exist, but the city has, since Rustam Khán's time, chiefly extended in Nawábpura, where are the ruins of Rustam's fort and mosque already described. Everything of interest in the local history has probably been told in the district notice.

The civil station of Moradabad lies, as already stated, to the west of the Civil station'and canton., city and exten is from the raco-course, a large circular expanse of turf on the north-south-west until it almost touches the Meerut road, the furthest building in that direction being the cemetery enclosure. The greater part of this distance is within cantonment Cantonments are divided by the Bijnor road running to the northwest, and are connected at the south-west end by metalled roads with the Meerut road and the railway station. The railway station, situated outside the cantonments, is one of considerable military importance, and has ample platform accommodation for embarking or landing troops The Government telegraph office is in cantonments The other public buildings in the civil station and cantonments are the church, the cemetery, and the club The church stands at the northern end of the station, on the verge of the race-course. The cemetery is at the opposite extremity of the station. Nearly opposite the latter is the club, which comprises a library, billiard-room, bath-house, racquetcourt, and a small extent of ground for out-of-door games and a garden.

Mughalpur or Moghalpur (also called Aghwanpur) —An agricultural town in tahsii Moradabad 8 miles N-N-W of Moradahad and one mile from the right hank of the Ramganga. Latitude 38° 55'-48" worth; longitude 78 -45' 58" east. By the cound of 1881 the area was 90 acres, with a total population of 5, '77 (2,534 females) giving a density of 58 to the acre. The Hindusnumhered 2,274 (977 females), and Musalmans 3,003 (1,557 females). The number of inhabited houses was 689 Mughalpur is faird to have been an ancient Hindu town and to have been re-peopled by the Afghans, who called it Afghanpur, corrupted afterwards to Aghwanpur When the Mughals took possession it received its present name, although still locally called Aghwanpur It has five wards—the Bishnoi, Sádát, Kází, Shaikh, and Káyath—a police ontpost, 5 temples, 11 mosques, and a sarái An old fort still exists near the town.

Muhammadpur Musti.—Agricultural village in tahafi Bilari, 20 miles from Moradabad and 11 miles from Bilari, on the Sambhal and Moradaban road. Latitude 28°-89'-45 longitude 78°-42' O' Population 1881 1,994 (988 females) Possesses au old fort built by the ancestors of the present revenue-free proprietor (muslidd)

Mundhá.—Agricultural village in tabell Moradabed 10 miles from the capital town, on the Moradabad Bareilly road. Latitude 28 48'-15" longitude 78°-58'-45" Population 1,16% Has a third-class police station and a district post-office. About a mile beyond the village, in the direction of Bareilly, are a dak bungalow and an encamping-ground

Mustafapur — Village in tabsil Thikurdwark 11 miles N W from Moradabad and 17 S. W from Thikurdwark Latitude 28°-50′ 15° longi tude 78°-45′-8° Population 2 240

Naraulí (or Náráoli) — Town in tahvíl Bilári, 24 miles from Moradabad, ón the road from Chandausí to Samhbal Intitude 28° 29'-15" nórth longií tude 78°-45 15" cast. By the centus of 1881 the area was 84 acres, with a total population of 5,069' (2,458 females), giving a density of 60 to the acre. The Hindus numbered 3,058' (1 487 females), and Musalmáns 2,016' (971 females). The number of inhabited houses was 700 Narauli is an old Rájput village in possession of the Bargújar family, the descendants of Rája Pártáb Sinh. It has two wards—Kári Muhalla and Makhúpura (named after Makhú Sinh),—5 mosques, 4 temples, and á halkabands school. A market if held on Mondaya and Thursdaya.

Naugáon Sádát.—Village in tabail Amrobá, 27 miles from Moradahad on the Amrobá and Chándpur road Latitude 29°-0' 15° longitude 78° 26 45° Population 3,521 (1,836 females). The only public building is a sarái; the market day is Wednesday.

Páckbara.—Village in tahsíl Moradabad, 9 miles west of Moradabad, on the Meerut road. Latitude 28°-49′-38″, longitude 78°-43′-0″. Population 3,146 (1,470 females). Country cloth is manufactured on a large scale and extensively exported Has a police outpost and a halkabandi school. An unmetalled second-class road branches off from Páckbara to Amroha. A market is held on Saturday.

Pípalsána - Village in tahsíl Moradabad, 8 miles north of Moradabad, on the Thákurdwárá road. Latitude 28°-55′-45″; longitude 78°-51′-30″. Population 3,280 (1,549 females). A market is held on Wednesday.

Piplí Náek.—Village in tahsíl Moradabad, distant 18 miles N.-E. from Moradabad, on the road from that town to Káládúngi and Nami Tál. Latitude 29°-2′-0″; longitude 79°-1′-15″. Population 1,889 (856 females).

Rahrá (or Rehrá).—Village in tahsíl Hasanpur, 36 miles from Moradabad and 13 from Hasanpur. A third-class road connects it with Hasanpur and Sambhal. Latitude 28°-31′-45″; longitude 78°-21′40″. Population 1,199. Has a third-class police-station and a district post-office.

Ratanpur Kalán — Village in tahsíl Bilarí, 6 miles S.-W. from Moradabad and 15 miles N-W. from Bilárí Latitude 28°-47′-15″, longitude 78°-45′-15″. Population 2,598 (1,257 females). Has a good market held on Wednesday.

Ríth.—Village in tahsíl Bilárí, distant 10 miles S.-E from Bilárí and 26 from Moradabad. Latitude 28°-33'-5"; longitude 78°-58'-15". Population 1,642 (809 females). Ríth is noted for its cattle market

Rustamnagar (or Sahaspur) — Agricultural village in tahsil Bilári; 15 miles south from Moradabad and one mile from Bilári, on the Moradabad and Chandausi road Latitude 28°-36′-30″; longitude 78°-50′-15″. Populatión 2,644′(1,242 females).

Said Nagli.—Village in tabsil Hasanpur, 6 miles from Hasanpur and 26 from Moradabad. Latitude 28°-40′-10″, longitude 78°-26′-20″. Population 1,949 (879 females).

Salempur—Village in tahsil Amrohá, 23 miles N.-W. from Moradabad, on the Hardwar road. Latitude 29°-5′-45″; longitude 78°-41′-0″. Population 2,685 (1,368 females). The village is said to take its name from its founder, Salem Sháh. Sir H. M Elliot calls it Islámpur Pahrú, but it is always known in the district as Salempur. Between it and Garhí are numerous ruins of temples and tombs. The latter place is the site of an old village near Salempur. both

names are often used conjointly, as Salempur Garhi. A market is held here on Thursday

Sambhal.—Tahail (and parganah) occupying the south centre of the Moradabad Boundaries.

Boundaries. and Moradabad, on the east by Blifari, on the south by Budanu (parganahs Islammagar and Ráppura), and on the west by Hasanpur The total area in 1881-82 was 468 74 square miles, of which 881 88 were cultivated, 58 60 cultivable, and 28 25 barren. The area paying Government revenue or quirrent was 443 18 square miles (860-84 cultivated, 55 69 cultivable, 27 10 barren) The amount of payment to Government, whether land-revenue or quirrent (including, where such exists, water-advantage, but not water rates), was Rs. 3,52,918 or, with local rates and cesses, Rs. 8,98,819 The amount of rent, including local cesses, pad by cultivators was Rs. 8,11,818.

According to the census of 1881, the tabell contained 465 inhabited propulation.

Population.

207 had between 200 and 500 111 had between 500 and 1,000, 24 had between 1,000 and 2,000 4 had between 2,000 and 8,000 The towns containing more than 5,000 inhabitants were Sambhal (21,878), Sarái Tarín (11,585), and 8irsí (5,947) The total population was 248,107 (117,666 females), giving a density of 580 to the square mile. Classified according to religion, there were 178,850 Hindus (81,654 females) 78,808 Musalméns (85,780 females); 180 Jams (90 females) and 273 Christians (188 females)

Tahril Sambhal 15, next to Hazanpur, the largest in the district. Roughly Physical features.

speaking, its shape is that of a parallelogram nearly approaching a rectangle. It is about 32 miles long by 16 miles broad, and exhibits the most markedly divergent physical features. It consists of two great natural tracts, the katchr ('hard') and the bhir ('sand) Their border line runs north-east and south-west, down the centre of the parganab, parallel to the course of the Sot The low lands of that river run, in a belt of fairly uniform width (from two to three miles), right-through the katchr tract. Of the peculiarities of the bhir soil some description has been given in the district notice. The katchr is described by Mir. Morry as a seal of a dark colour assimilated in uppearance to matrydr. Some villages in which it predominates are among the finest in the district. It grows sugarcane, wheat, and gram, and earthen wells made in it are said to last

209

several years. According to Mr. Money wheat can be grown in it without irrigation, "for it is easily pulverized in the hot weather, and is not liable to cake and crack like the pure matigar."

Besides the two main divisions there is a peculiar tract, called the udla, of which the following description is given by the settlement officer:—

"Between the northern half of the bhur and the hatchr occurs a very singular and rather puzzling tract of country. It is marked off from all the rest rather by occult characteristics of its own than by obvious differences in appearance. This tract has been denominated udla, a word meaning 'oozing up of moisture' This section of country appears to have scarcely any drainage outlets at all The only two channels that exist seem quite insufficient to carry off the surplus water of the tract. The soil, moreover, appears all in lumps, dirty and weedy, and There is an absence of dhil jungle where one would have looked hans and deb grass flourish Still the soil itself, when minutely examined and compared with the soil of the hatchr parts of the tahsil, seems to possess very much the same ingredients, and even the sub-soil does not seem to differ greatly from that of the katchr tract. The key to this puzzle is in the lines of These show that the tract is almost a dead flat from west to east, and that the fall of the country is not from north-west to south-cast, but almost due north and south, and at a very gentle gradient. In other words, we have a belt of country about 15 miles long and from 3 to 4 miles in breadth, unable from its singular formation to throw off its flood supply either to east or west, obliged to carry its vast sheet of water, spread pretty equally over its entire area, slowly southwards to two shallow and slender outlets. In consequence, this vast volume of excess moisture never can escape at all. It lies and is gradually absorbed Descending to the spring level, it becomes united with the subsoil moisture. So that, literally, the entire soil from the surface to a considerable depth becomes little better than a sponge. Pressure of the foot causes an instantaneous cozing up of water, and the soil, after subsidence of rain, becomes In parts the land presents an appearance as if covered with mole-hills. One ascertained result of the singular conditions of this udla tract is the periodical occurrence of cattle plague. The people attribute the disease to an insect which appears during the rainy season among the muddy grass, and which, mixing with the food of the cattle, very soon causes death."

For assessment purposes eight tracts were marked off by the settlement officer, viz., (1) the katehr, (2) the good bhúr, (3) the bad bhúr, (4) the Sot, (5) the udla, (6) the Panmar, (7) the Sambhal city orchard, and (8) the remoter suburban lands.

The level being, for the most part, high, and the soil rather light, swamps are not numerous, the only one of any size being the long winding swamp that runs between this tahsil and the Badaun district on the south-west, described in the district notice (Part I). The tahsil possesses very little jungle; indeed, the only patches worth mention are these that border on the great swamp. All over the bhúr tract are large unploughed wastes, utilized, in dry seasons, as grazing grounds.

The Sot is the only river of the tahsil, but the Chhuia nala runs through the south-west tracts of bhur. There is also another small stream of the same name which talls into the

210 MORADABAD

Sot near the northern boundary with Amroha parganah. A description of the Sot, its valley and characteristics, has been given in the district notice (Part I)

Sombbal itself is the meeting place of several important roads, int. except

Sambhal itself is the meeting place of several important roads, bnt, except for short distances in the town, none of these is metalled. The main road—second-class, or raised and bridged hnt unmetalled—from Moradabad to Aligarh, via Sambhal and Anúpshahr, passes through the heart of the talish. Another important therough fare is the second-class road from the railway station at Chandausi through Sambhal to Hasanpur and the Ganges at Garhmuktesar. A third road of the same class connects Chandausi with Anúpshahr, passing through Bahjoi, where a cross road runs north to Sambhal, to join the main road from Moradabad to Aligarh. The Sot is a great obstacle to traffic direct east and west. Its middy bed

makes fording difficult, except at distant intervals

Except in the Sot valley, where fever is endemic, the climite of the tahsil is generally good. Especially is this so in the bhir tract, where the sturdy Ahars live. The crops grown in the katehr tract are of the same kind as in the neighboring tahsil of Bilarl, and are grown in nearly the same proportions. Cane is a great sinich, and wheat, barley, and gram are common. In the bhir tract only antumn crops are for the most part grown, but melons flourish in the little alluvial deltas of the drainage channels already described (see Part 1)

The tabell as it now stands comprises exactly the same tract of country as in 1844, when it was first constituted a tabell out of nine old anh-divisions, vis., Sambhal proper 250 villages), Babjoi (188), Sirsi Kundarkhi (58, Narauli (42), Amrohá (24), Dháká (16), Islámnagar of Budaun district (3), Ujhárí (1), Dhabáral (1); total 583. The assessments of these 583 villages now constituting the tabell have been stated for each previous settlement in the district notice. The first (triennial) settlement resulted in a singlet increase on the demand before the cession. The second triennial period gave an enhancement of 1.83 per cent, but the quadrennial revision resulted in a reduction of 9-26 per cent. The last period (from 1812 to 1842) showed a riso of 21 62 per cent. So that the total enhancement from 1803 to 1842 was 11.73 per cent.

Mr Money assessed the southern half of the tahsil in 1842 and the northficulement under Reguhalf in 1843. The method adopted and the results obtained have been described in the district notice. In 6 only out of the 553 villages were concive measure resorted to during the currency of Mr Money a settlement, so that it seems to have stood the test well. But Mr. Smeaton considered that it reached (but did not exceed) the limit when ramindars can just pay without being decidedly pinched. The total revenue-paying area which had been transferred by private sale, mortgage or auction sale during the period 1843-75 was 161,795 acres, or considerably more than half the tabili area, and in this were included 56 entire villages and parts of very many more. The value of land during this period was, however, steadily on the increase, and may be said to be now double what it was thirty years ago. Prices of agricultural produce had risen (if the statistics collected can be credited) during the thirty years of the previous settlement (1843-73) about 80 per cent. [See further supra, pp. 94-104.]

As in Bilari, Hindus, amongst whom the Rajputs predominate, are the chief landed proprietors. Of the total number of proprietors Proprietors. at the recent settlement 3,720 Hindus held 447 estates, with an area of 159,720 aercs; 1,946 Musalmáns held 248 estates, 97,174 acres; and 92 estates, 43,055 acres, were held by 2,395 proprietors, part Hindus and part Musalmans. Among the Hindus the Banias come next after the Thákurs, and the Káyaths have only a nominal hold on the land, being the reverse of what is found in Bilari The Musalmans are a more flourishing class of landlords here than in Bilárí. The Khokars, although owning the least area, have consolidated a very valuable property in and around the city of Sambhal. They own nearly all the suburban estates, and are known as Chaudhris. These 'Khokars' were originally Bargujar Rájputs, whom Bahar, in his descent upon Hindustán, made converts to Hence they are styled even yet 'Nau-muslims' The Sambhal Khokars are all connected with the Lálkháni families of Danpur, Pahásu, and Chhatarí in the Bulandshahr district The tenures have been described, and some account of the tenantry given, in the district notice.

Sambhal.—Municipal town and head-quarters of the tahsil of the same name; hes in latitude 28°-35′-0″ north, and longitude 78°-36′-45″ east, on the Moradabad and Aligarh road, 23 miles south-west of Moradabad and 4 miles west of the Sot river, in the midst of a cultivated and well-wooded plain. The population by the censuses of 1853, 1865, and 1872 have been already given in the district notice. By the census of 1881 the area was 317 acres, with a total population of 21,373 (10,714 females), giving a density of 67 to the acre. The Hindus numbered 7,333 (3,448 females); Musalmans 13,965 (7,231 females), Jains 38 (21 females), and Christians 37 (14 females). The number of inhabited houses was 4,710.

Occupations The following as a statement of the principal occupations —1

(I) Persons employed by government or manicipality 128; (III) ministers of the Hindu religion 116; (VIII), manicians 49; (IX) school teachers (not government) 49; (XII) domestic servants 144; (XIII) money londers and bankers 104; (XY) carters 01; (XYII) porters 11, messengers 65; (XYIII) landholders 455, haddh ider's catabilahment 128, cultivators and teaches 1,765, gardeners 45, agricultural labourers 251; (XXVII) carpenters 170 brick layers and masons 125; (XXXIX) cutton-carders 128, weavers 170, cultop printers and dyers 147, cloth merchants (states) 11 cloth politars 55, tailors 54, makers and sellers of shoes 597, bargle-sellers 68, washermen 68, barbers 365; (XXXI) butchers 252, sorn and flour dealers 555, confectioners (states) 11 green-grocers and fruiterers 141 grain-parchers 32 persons employed in the manifecture of sugar 25, conditions dealers (passers) 25; (XXXII) manufacturers and sellers of 140, makers and sellers of wooden-combs 219 grass-cutters and sellers 50 (XXXIII) sweepers and scarengers 189 certiners in canufacturers 185, water-carders 199 gold and all resemblis 96, blackwalths 45; (XXXIV) general labourers 631 persons in (undefined) service (acaders) 666; (XXXV) beggars 355.

The modern town covers the summit of an extensive mound composed of the runs of the ancient city. A gloomy description of the town was given by Dr. Planck in 1868, but matters are said to have vasily improved since he wrote the following account of it:—" Sambhal is a large old town, built in greatpart on hillocks, which seem to be made up a good deal of the runs of the brock houses of former times. In addition to Sambhal proper there are not less than 26 distinct collections of boildings, under the name of sardis, which cluster about it on all sides. Sambhal proper is essentially a brick-built town, which must at one time have been a city of some importance; now it is a place of runs, a filthy neglected place, with an aspect so and as to make it difficult to find words to describe it."

This was prior to the creation of the municipality in 1870. Since that year improvements have steadily been made, amongst others the execution of a drainage cut seven miles in length, reaching from the town to the Sot river, whereby the large excess of moisture, which formerly etagonated near the town, is carried off. During the nine years 1870 78 Rs. 55,614 was expended from municipal funds in improving the town. A recent visitor to it thus describes the present state of Sambhal —"The town is now far from infeeding either note or eye, and, although doubtless somewhat somnolent, the orderly municipal arrangements and the natural pretiness of the place, with its undulating ground and ample vegetation, render it on the whole more attractive to a European visitor than ure the noisy and bustling cities of Amrohá and Chandauat." Of the saráus or detached places which surround the town

Roman numerals indicate the classes in the census returns Note by Mr L.M. Thornton, O.S.

several are composed of large, handsome, brick-built houses, but they contain many ruins. The majority, however, consist of mud-built houses surrounding one or two brick-built tenements and forming goodly-sized villages. Only in the town itself and its suburbs are there any metalled roads, but fair unmetalled ones connect it with Moradabad, Bilárí, Amrohá, Chaudausí, Bahjoí and Hasanpur

The town is divided into 33 muhallas or quarters, but none of the names throws much light on their history. 'The flower Muhallas. garden,' 'the horse-market,' 'the new village,' 'the Hindus' quarter,' are names interspersed with a few that refer to former residents. The public buildings are: the tahsili or sub-collectorate offices, a first-class police-station, a munsifi or petty judge's court-house, a Public buildings. post-office, a tahsili school, the American Mission church and schools, a first-class branch dispensary, several municipal schools, a government distillery and a native rest-house (sarái). The tahsíli is a modern structure well built on the top of one of the low hills of ruins already mentioned. It has fine airy offices and is described as "certainly the handsomest in this district" There is a room in it appropriated for the visits of European officers. The sarái or native travellers' rest-house, built by Mr. Daniell, a former Magistrate, in 1871, has accommodation for 100 travellers.

The American Methodist Episcopal Church has had a mission here since 1866. The native Christian community in 1880 numbered 206 (125 adults). There are eight schools attached to it, viz., an Anglo-vernacular (boys') with a roll of 80 pupils (75 non-Christian), and seven vernacular (3 boys' and 4 girls') with a roll of 180 pupils (115 girls and 135 non-Christians). But only four of these schools are in Sambhal itself. Besides the regular tahsili school, which is held in a handsome building close to the tahsili and is attended by some 50 pupils, the municipality keeps on foot a Sanskrit and an Arabic school in Sambhal proper, and two free schools situated in the outlying quarters of Haiyátnagar and Sarái Tarín respectively. With those facilities for education, it is not surprising that the number of private schools is comparatively small.

The income of the dispensary in 1881 was, including a balance of Rs. 901 from the previous year, Rs. 1,671, to which the municipal funds contributed Rs. 400 and Government Rs. 370. The expenditure amounted to Rs. 842. The total number treated was 16,437 (of whom 31 only were in-door patients), giving a daily average of 103.11 out-door patients. It is under the charge of a Hospital Assistant.

214 MORADABAD

The physical difficulties in the way of good drainage are great, owing to the scattered character of the inhabited sites, which are interspersed with fields and mounds of ruins. The nuclating nature of the ground where the chief barars are built, renders it possible to keep them clean by means of side drains. "The town site," writes Dr Planck, "drains to the Retla, a vast excavation around the west and north margins of the town, and its overflow of heavy rain used to be the cause of flooding, which the cutting to the Sot river already mentioned was planned to remedy." The water supply is derived entirely from wells and is said to be good.

It is stated that the health of the town was severely affected by the epidemic of fever that raged in these provinces in 1870-80. Owing to the different statements of population given for the town at different periods, arising from the different areas adopted at each census, it is impossible to ascertain the correct death rate informer years. In 1881 the death rate for the town is returned at 71-96 per thousand, but for the municipality only 48 70. This variance doubtless arises from the much larger population included in the latter

The site of an old fort is indicated by a large mound. It is variously attributed to Pirthi Ray, to a rays called Jagat Sinh, Antiquities. and to one Nahar Sinh, the son of Gobind Sinh, the son of Mukand Sen, the son of Raja Vikram Sen of Baran The last named (Nahar Sinh) is the most probable and is mentioned as the founder in Mr Growse s paper on the antiquities of the Bolandsbahr district (Journal of the Bengal Asiatic Society, XLVIII, p. 278 et seg), which gives all that is known about the Dor raise, who, from their capital, Baran (Bulandshahr), ruled over a large part of the Doab from the 10th to the 12th centuries. The only building loft standing on the site of the old fort is one known to the Hindus as the Hari Mandle (temple of Hari, a name commonly applied to Vishan), but claimed by the Muhammadans as Babers mosque. The latter point to an inscription (which will be mentioned again further ou) as proof of their claim. Quito recently this building was the subject of litigation between the Hindner and the Muhammadans of Sambhal "It was nojudged," writes Mr Tracy, Collector of Moradabad, "to be a Muhammadan place of worship the decision could not well have been otherwise, as, to say nothing of long possession, the architecture is that of the early Pathan period. It is not at all improbable that it may have been constructed with the materials of a still more ancient temple, but it certainly was never designed by a Hundu architect.' Mr Carl leyle, of the Archmological Survey, has devoted considerable space in the twelfth

volume of the Archæological Reports to a description of this building. His account is too long and technical for quotation, but the general result of his examination was unfavourable to the Muhammadan claim. He thinks the main portion of the building was of Hindu construction, the Muhammadanshaving added wings to the central building to convert it into a mosque. He writes:—"There is a clear and distinct difference between the old Hindu work and the modern Muhammadan work, and the old Hindu temple is at once distinguishable from the Muhammadan additions. The square Hindu temple would have had originally only one doorway in the east wall, about 8-feet in width, but the Muhammadans cut four more doors, each 6 feet wide, two in the northern and two in the southern wall of the square temple, in order to communicate with the aisles of the side wings which they added."

Mr. Carlleyle apparently agreed with the disputants in denouncing the disputed inscription as a forgery; but General Cunningham, in a note to the report, expresses his opinion that it is 'quite genuine.' The reader who is curious on the subject will find a transcription of the Persian inscriptions in the Archæological Report (XII., p 26), but it will doubtless be held sufficient here to print the translation of it made by the late Professor Blochmann:—1

- "1. The collector of buildings of grace and beauty, the raiser of the standards of rule and faith,
 - 2. The spreader of the wings of peace and tranquility, the builder of the buildings of knowledge and deed,
 - 3. Muhammad Bábar, Jam in dignity, may God Almighty have him in his keeping !
 - 4 Kindled in India the lamp of power, when a ray of it fell upon Sambhal,
 - 5. To build this mosque, may it be protected against destruction and decay!
 - 6 He gave orders to his mean slave, who is one of his principal officers,
 - 7. Mir Hindu Beg, the intelligent and wise, who is an example to others in polite manners
 - 8. And when, in consequence of the order of the Sovereign of the world, by the guidance of Providence, the mosque was completed,
 - 9. Its date was 'the first day of, the month of Rabi'l' (A H 933, or 6th December, 1526 A.D.)

There are other inscriptions of later date, which, however, are not or sufficient interest to justify occupying space with them here. It may be noted in passing that the date of the inscription given above (933H. or 1526A.D.) is the year in which the emperor Bábar defeated Rája Sanga of Mewár at Fatehpur-Síkri and established his power in north-western Hindustán. One circumstance more may be mentioned in connection with this mosque. According to Ganga Parshád, a former deputy-collector of Moradabad, who

Printed in the Introduction to Arch. Rep, XII. 2 Elphinstone's History of India (Cowe ll's edition), p. 374

wrote in 1871 73, there was still hanging from the roof of the dome a chain for the suspension of a bell, such as is found in Hindu temples, and there was, according to the same writer, a passage at the back of the building which he supposes was used "for the whiching round of worshippers" Mr Carlleyle's report is silent as to these matters, but it is possible the circumstances may have been changed in the interval

There are numerous places of Hindu worship and pilgrimage, the most noteworthy being the temple of Hari Mandir just mentioned, and the following tiraths—Mano Kámna, Suraj Kund, Kuru Kaheirá, Bansgopál, Nimsár, Bhágirathí, and others too numerous to mention Atlogether Sambhal beasts of 68 tiraths and 19 secred wells. A small masonry fort in the Minn saratis attributed to Newáh Amin nd-danla, who lived here about 250 years ago his descendants are said to still reside in it. The two heaps of ruins, known as Bhaleswar and Bikteswar, are said to he nothing more than the bastions of the ancient city wall. To the south east of the city is a large mound called Surathal Khera, supposed to be so called after Rúja Surathal, a sou of Rája Satyavana of the lunar race. Other mounds are Sadangarh, Amramapati Khora Chandreswar Khera, and Gumthal Khera. The last is two miles from Samhhal.

Rofined sugar (khand or khand) is the chief manufacture, as it is the chief article of trade. A large class of the population called Manufacture and trade. Khandsdils or sugar manufacturers have their headquarters in Samhhal, huilding little temporary manufactories in the villages. Before the railway opened Sambhal was very far ahead of all the other places of sugar maunfacture in the district, but Chendansi and Bilari are formidable rivals, with the advantage of immediate proximity to the railway, from which Sambhal is separated by about 17 miles of unmetalled road It is still, however, a considerable feeder of Chandansi. Wheat and other grains and ghi are also largely exported, and there is some export of hides. Cotton cloth is manufactured, chiefly for the local trade The chief imports into the munici nality according to the official statement, with the quantity or value imported in 1881-82, were as follows -grain (2,04,385 manual), unrefined sugar (11,854 maunds), ghi (1,140 manuds), other articles of food (Rs 58,592) animals for slaughter (13,510 head) oil and oilsceds (12,400 maunds), fuel (56,871 maund) building materials (Rs. 27,883), drugs and spices (Rs. 30,312), tobacco 13,700 mannds), European cioth (Rs. 97,815), native cloth (Rs. 88,053), and metals (Rs. 28,612

By Mr Carll Me Arch. Rep. VIL 24.

Memorphities administration Its suburbs, as they may be regarded (under the name of 'the sixteen sarius of Sambhal'), are excluded from the numerical limits and administered under the Chaukidári Act (XX. of 1856). The statistics for the town and its suburbs must, therefore, be given separately. The municipal committee of Sambhal consists of nine members, of whom three sit by virtue of their office and the remainder by election. The income of the municipality is derived from an oction tax falling in 1881-82 at the rate of Re 0-7-2 on net receipts per head of population. The total income in 1881-82 was Rs. 18,241 (including a balance of Rs. 2,411 from the previous year). The total expenditure in the same year was Rs 13,540, the chief items of which were collection (Rs. 2,060), repairs and maintenance of roads and drains (Rs. 2,212), police (Rs. 4,595), and conservancy (Rs. 2,190).

The watch and ward of the part above acforred to as "the sixteen saráis of Sambhal" is provided for by taxation under Act XX, of 1856.

During 1880 the house-tax thereby imposed, together with a balance of Rs 110 from the preceding year, gave a total income of Rs 1,838. The expenditure, which was chiefly on police (Rs, 969), public works (Rs 170), miscellaneous (Rs. 220), and conservancy (Rs. 876), amounted to Rs 1,863. The returns showed 2,520 houses, of which 1,400 were assessed with the tax the incidence being Rc 0-10-8 per house assessed and Rc 0-1-7 per head of population.

The local history has been given in the district notice and nothing remains to be said here, except to note the legend which attributes an existence to Sambhal through all the four ages of Hindu chronology. It is said to have had a different name in each, Satyabilt in the Sat-yug, Mahedrí in the Tietá-yug, Pingal in the Dwápar-yug, and its present name only since the beginning of the Kal-yug.

Sarái Tarín — Suburb of Sambhal, but separately enumerated in 1881. By that census it had an area of 118 acres, with a total population of 11,585 (5,790 females), giving a density of 98 to the acre. The Hindus numbered 4,258 (2,050 females), Musalmáns 7,326 (3,740 females), and there was one Christian. (See further under Sambhal).

Seondárá — Village in the south-east corner of talisíl Bilárí, 19 miles south-east from Moradabad and 6 from Bilárí, formerly the head-quarters of the talisíl, afterwards removed to Bilárí. Latitude 28°-33′-45″, longitude 78°-54′-30″. Population 3,724 (1,781 females). Public buildings:—second-class policestation, sarái, and school A market is held on Thursday and Sunday.

Sirsí.—Town in parganah and tahsíl Sambhal, latitude 28°-38′-15″ north, and longitude 78°-41′ 3 miles south-west of Moradabad town and 3 miles east of the Sot liver in four wards —Purwaryán (e ister i),

Chaudhrián, Gnnsuri, and Sarái Sádik. A police ontpost, a sarái, and the tomh of Makhdám Sháh, the reputed founder of the town, are the public hulldings. The populations by the censuses previous to 1881 have already been given in Part III. By the census of 1881 the area was 89 acres, with a total population of 5,947 (2,948 females), giving a density of 86 to the acre. The Hindus numbered 1,645 (819 females) and Musalmáns 4,802 (2,124 females) The number of inhalited houses was 303. The witch and ward of the town is provided for by taxation under Act XX. of 1856

During 1880-8 the house-tax thereby imposed, together with a balance of Rs. 245 from the preceding year gave a total income of Rs. 1,281. The expeculture which was chiefly on police (Es. 570) public works (Rs. 199) and conservancy (Rs. 239), amounted to Rs I 185. The returns showed 1,451 houses, of which 715 were assessed with the tax the incidence was Rs. 1-8 p per house assessed and Rs. 0-3 5 per feed of population.

Surjannagar — Village in tahail Thákurdwárá, abont 37 miles N W from Moradabad and 12 miles west from Thákurdwárá, on the river Phika. Latitude 29° 14′-0° longitude 71°-44′ 50 Population 3,074 Founded by Surjan Suph a Katchriá, of Mahendar Suph a family, in the recon of Mulammad Sháh.

Sinh, a Katchria, of Mahendar Sinh s family, in the reign of Minhammad Shah. Thakurdwara - Northern tahail and parganah of Moradabad district; bounded on the north by the parganah of Kashipur Boundaries. in the Tarái district, on the east by Kashipur and Moradabad parganaha, the Dhela river dividing it from the latter, on the south by Mondabad, and on the west by parganah Amroha and the Bijnor district (parganalis Slohéré and Afxalgarh) Tho total area Area, revenue, and rent. in 1881-82 was 288 88 square miles, of which 160 77 were cultivated, 49 78 cultivable, and 27 82 barren. The area paying Government revenue or quit-rent was 219 61 square miles (148 51 cultivated, 46 73 cultivable, 24 37 barren) The amount of payment to Government, whether landrevenue or quit rent (including, where such exists, water advantage but not water rates; was Rs. 1,84,592; or, with local rates and ceases, Rs. 2,08,288 The amount of rent, including local cesses, paid by cultivators was Rs 8,81,720 According to the census of 1881, the tabail contained 262 inhabited vil-

lagos of which 81 had less than 200 inhabitants 118 had between 200 and 500; 48 had between 500 and 1,000; 11 had between 1,000 and 2,000 2 had between 2,000 and 3,000 and 1 had between 3,000 and 5 000. The only town containing more than 5,000 inhabitants was Thakirdwark (6,511) The total population was 109,596 (51,037 females), giving a density of 461 to the square mile Classified seconding to religion, there were 71,288 Hindus (38,073 females); 38,308 Hussimáns (17,904 females) and no others

The parganah is conterminous with the tahsil and is about 21 miles long and 16 miles broad in its widest part. It is cut up Physical features. by numerous small streams which come down from the hilly tracts to the north and feed the Ramganga Of these the Lapkana, Kurka (into which the Lapkana falls), and the Dhela are the most important. The Kurka joins the Ramganga west of Dilari, and the Dhela about two miles north of Moradabad city. Both the Ramganga and Dhela are very shifting in their courses; the other streams run deep and do not change their beds. Some of them, especially the Lapkana, afford irrigation, and Mr. Crosthwaite thought that, in spite of the failure of former schemes, much more land might be irrigated by them if the resources of these streams were economised by good engineering skill. Projects for irrigating the parganah have been put on foot at intervals during the last 40 years; but none has yet reached the stage of execution, with the exception of some minor projects carried out by Mr. Manderson, a former Collector, in 1860-61 The country between the streams is well cultivated and shows little waste land. It is remarkable for the large tracts of clay (called jhada), and this forms the characteristic soil of the parganah. It seldom permits of spring crops and is usually restricted to the poorer kinds of rice. After heavy rains it is flooded; and with a scanty fall ploughing is difficult, if not impossible The presence of these tracts. therefore, led to much difficulty in the assessment of the parganah. These tracts of clay he in the centre of the parganah, but are bounded by strips of alluvial land in the neighbourhood of the Ramganga and Dhela rivers. the south and west of the parganah are some villages, chiefly round Dilárí as a centre, where the soil is exceedingly fertile and the rents proportionately high. The eastern tracts, between the Dhela and the Kurka, contain many good villages. But in the north the land is generally inferior, and the tract between the Kurka and Lapkana, known as the Bajar patti, is the worst of all, having an inferior sandy soil in which wells will not stand. Much of this is waste and covered with the scrubby thorn called kair. Elsewhere the common earth-wells are made for irrigating purposes, the water being near the surface

A second-class road connects Moradabad with Thákurdwárá, and a branch is continued to Káshípur; but the direct road from Moradabad to Káshípur runs through Moradabad parganah. Third-class roads connect Thákurdwárá with Surjannagar on the west

A detailed history of all the projects for the irrigation of Rohilkhand (1840 to 1874) will be found in a bulky volume of "Selections from the Proceedings of the North-Western Provinces Government, Public Works Department, Irrigation Branch," published at the Government Press in 1874 All these projects have been now abandoned, so that their merits and demerits are of merely historical value.

and with Mughalpur on the south west. The latter stops at the ferry over the Rámganga, but a second class road continues the communication from Mughalpur to Moradabad.

The climate approximates in a measure to that of the Tarki and is held to the minest be nuhealthy. Rice is the staple crop, but the finest kinds are only scantily produced, the qualities known as sath and anna being chiefly grown. Sugar of superior quality is produced in the good villages.

Some account of the fiscal history of the parganah has been given in the district notice and a very hrief statement only is re-Fiscal history quired here. Mr J C Dick made the first regular settlement of the parganah in 1840 He mentions that a Thakur family settled at Faridnagar had held the whole parganah in talubdars right, but that they were deprived of it in the changes that preceded our rule. This was the family of Mahendar Sinh and one of those rooted out by 'Ali Mahammad, the Bohilla chief, in pursuance of his settled policy of substituting his own oreatures for the old proprietors. Mr Dick a settlement (under Regulation IX. of 1888) was made with persons called mukaddams as proprietors, where any such were found, and claswhere with farmers of undividual villages. He considered that the pargenah had been over-assessed and also that a mistake had been made in regarding the mutaddams as more farmers, and their estates as liable to be put up to anction at the end of each quanquennial period. The various assessments have been already given, once for all in the district notice. The progress of fiscal affairs in Thaknedward after Mr Dick's settlement was not as smooth as was anticipated. The assessment he fixed was fair enough at the proportion then taken of the estimated assets. But the landholders were too deeply involved in dobt to make way, and gradually a very large part of the parganah passed into the hands of Baijnath and his son, a firm of moneylonders. The current settlement was made at a slight enhancement on its predecessor [See further supra, pp 94 104]

The principal landowners are Chanhans and other Thakurs, but Mukand Rum, son of Baijaáth, bankor of Thákurdwárá, had by a judicious system of loans acquired a great deal of preperty from the villago zamíndára. The provailing tenure is zamíndári. The transfers of proprietary right have been very numerous, and the smaller zamíndars may be said to be generally impecumous.

Thakurdwara.—A town in the talkell of the same name, 27 miles north from Moradabad I autuoo 20° 11′ 40″: longitude 75° 54′-0″ By the census of

1881 the area was 93 neres, with a total population of 6,511 (3,032 females), giving a density of 70 to the acre. The Hindus numbered 2,655 (1,209 females), and Mus dmans 3,855 (1,823 females). The number of inhabited houses was 699.

The town has three wards: — Fatchullahganj (founded by Fatch-ullah Khan, son of Dundi Khan', Thakurdwara, Jamuawala (named after a slave-girl of Fatch-ullah Khan's). The town was founded by Mahendar Sinh in the reign of Muhammad Shah (1719-48), and was plundered by Amn Khan (1805). The public buildings are a talish, a first-class police-station, 7 mosques, 4 temples, a talish school, a distillery, and a sarai. Cotton cloth is manufactured and constitutes the only article of trade. The watch and ward of the town is provided for by taxation under Act XX of 1856.

During 1880 81 the house tax thereby imposed, together with a balance of Rs. 299 from the preceding year, gave a total income of Rs. 1,527. The expenditure, which was chiefly on police (R< 569), local improvements (Rs. 407), and conservancy (Rs. 197), amounted to Rs. 1,345. The returns showed 953 houses, of which 848 were assessed with the tax, the incidence being Rs. 1-74 per house assessed and Re. 0.3-0 per head of population.

Tigri—Village in tah-fl Hasanpur, on the Moradabad-Meerut road, 39 miles from Moradabad and 12 from Hasanpur. Latitude 28°-49′-15″, longitude 78°-11′-17.″ Population 1,152. The immetalled portion of the road leading to the bridge of boats across the Ganges commences a few hundred pards beyond Tigri. The road is metalled again from the opposite bank of the river. The first village on the Meerut side is Garlininktesar. There is a dâk byngalow on each side of the river. At Tigri is also a third-class police-station.

Ujhárí — Village in tahsíl Hasanpin, 29 miles S-W from Moradabad and 7½ miles S-E of Hasanpir Latitude 28°-39′-30″; longitude 78°-23′-55″. Population 3,217 (1,649 females). Public buildings.—5 mosques, one temple, and a tomb of Sháh Dáúd, west of the town, which is illuminated on 16th and 17th of the month zi-hijja, when about 2,000 people assemble. A market is held on Wednesdays.

Umrí.—Village in talisíl Amrohá, 13 miles N.-W. of Moradabad, on the Moradabad and Bijnor road. Latitude 29°-2′-15″, longitude 78°-36′-30′. Population 3,007 (1,532 females) A market is held on Tuesdays.

INDEX TO MORADABAD.

Norr—In the text, to avoid excessive corrections of proofs, the rule observed in former volumes of emitting, generally, the mark for a final long touch in vernacular names of persons and places has been followed. It is the exception for a final vowel in such names to be short, but, to remote any uncertainty, the marks for all long vowels have been added in this Index, and the reader's indulgence is asked for their frequent omission in the text.

Α.

'Abdul 'Ali Khan, 113 Aborigines, chicily Ahirs, 140. Administrative sub-divisions, 3; history of, 4, 1 changes during British rule, 5 Agarnalia 69 Agliwaupur, see Muchalpur. Agricultural labourers, 129, Apriculture, 43 Abare 70. Ahichhatra, 138, 140 Ahirs, 70 Alimail 'All 150 Ahmad Shah Abdali, 149. Alm-1-Akhari, 7, 4 Amaldaic term explained, 117. Amba rans, eleter of Pirthl Rif. 176. American Priscopalian Mission, S5. Amír khán or Mír Khán, 95, 151 Amricha, ruler of Hastinapur, 176. Amrolia mudfie, history of, 106 Amroha Saivids, 196, 164, 169 Amroha, triess and parganal, 21, 168, town, 10, 27, 169 Augelo Licatement, 195 Antiquities, of Aniroha town, 172; of Moradabad, 202, of Sambhal, 214 Anapshahr, talisil of Bulandshahr, 19. Archivology, 78 Area, of the district, 3, 14, 94. Ari, stream, 22, 28, 29 Arya Samaj 87." Asad 'Ali Khan, 159 Asaf ud-daula, Wazir, 150 Asmauli, village, 179 Assessment, classification of soils for the purpose of, 18, early systems of, 96. Azampur, village, 20, 179 'Azmat-ullah Khan, Sharkh, 146, 'Azmat-ullah, Munsif, 158,

В.

Bábar, 144, 211, 215.

Babul, 16, 38

Bagad, jhtl, 9, 20, 24

Bah or Bahalá, stream, 13.

Baha, stream, 20.

Bulgof, parganali (abolished 1844), 3, 4, village, 23 25 179 Barri Khera, vilinge, 24 Pakht Khán, 160, 161 Balfwal eg hat, 25 Ban, affluent of the Gangan, 21, 168 Binger or highland, 17. Budas, 68, 112 Barpujars, 65 Barba Sarids (of Muzastaringar), 107 Batal term explained, 117, area held on, 118; evils of the system, 119, 196. Be mies, Mr. 71, 75 Belelinm, Sergennt-Major, 165. Bruch marl 4, 13 Bh inpur-Kalpi projected line, 25. Blug mugli, villuge, 19 Bhojpur, village, 179, Blur or annly truct, 6, 8, 11, 31, 180 Biliaripur, village, 19 Bilari inhail and parganab, 180; town, 182. Birds, 35 Pirdwood, Dr. 201 Bisauli village, 23, Bislinois, 68, 112 Blights, see Tillage Blochmann, Professor, 215 Bombay, direct route by Railway to, 25. Boundaries, of the district, 2 Boundary disputes, 82. Bráhmans, 61-112 Bricks, see Building materials. Bridges, 21, 22, 28 Brownlow, Colonel, 23, Buck, Mr, estimate of the annual produce of food, 80 Budaun, district, 19, 22, 25. Building materials, 54 Bulákí Chand, Lalá, 182.

C.

Cadastral survey, 13
Calcutta, routes by Railway to, 25
Campbell, Mr J J., 154.
Cauals, 22
Cannon, Dr, 154
Carbery, Mr, 160
Carlleyle, Mr, 189, 140, 214
Carriers, 129

Castes, 61; the unspecified of the 1881 census, Droughts 49

72.
Cattle-disease 138
Census of 1881 58
Chandaus town, 25, 28, 182.
Chanda 15
Chandaus town, 25, 28, 182.
Chandaus Mr., 69 78.
Charda, 125
Chatkill village, 19

Chaudhri Mahtáb Sinh Bishnof, 180. Chaudhri Mahtáb Sinh Bishnof, 180. Chaudhris, 82. Chaudhis, 72, 114, 220. Chaiflair, village, 28, 185 Chháraír, village, 188

Chicket or narrow winding channel, 8 2. Chuchaila Ralan, village, 185 Civil staff. 8.

Civil staff, 4. Clifford Licut., 155 Climate, 51 Clothing, 80 Coke, Brigadler Gene Communications 34.

Coke, firstation 74.

Control and control colon, 122, 186.

Cotton and cotton cloth, 122, 186.

Cotton tree, 39

Crime statistics 91

Crops, 40.

Crothwalta, Mr., 88, 101 105 118 181 919

Cultivators carico and tribes of, 115, coodi-

tion of 119 Cunningham, General, 135, 215 Customs, 51

D.

Dik bungelows, 28, Damdami stream, 18 Daniell, Mr., 213. Dará, albuent of Rampanga, 17 Darhial (L), village 18 25 185. Darhial (II), village 20. Dara, Bania, 67 Day Dr., quoted, 35, 36 Deaths, from wild animals and snakos, 31. Devotees, 73. Dewal rank, 176 Dháb lagoon 20, 24 Dhak 9 10 37 1)háka, mahál 3 4, 156 ; village 186. Dhakia, village, 13. Didd, term explained, 116 Dhanaura, town, 154. Didr di rd, or deep-atream boundary, 15 Dhankal Sinh 111 Dhela river 11 12 18. Dhúsars, 69 Dick, Mr., 98 220. Dilá i, village 18, 157 Distances, table of 20. District receipts and expenditure 122 Domestic animals 24 ltor lisjpuis, 4 Dorrington, Mr., 181; Mrs., 162.

Droughts 49 Dinast 14 Dunlop Mr R. H., 146 Durga Parahad, 154 Dwellings, 78.

E.

Easiern Ganges Canal 32. Education, 87 Elliot, Err H. M., 3, 65 15, 207 Emigration 3. Encomping grounds, 28, Epidamics, 136. Exclas, 134.

Faddy Captain, 158.

Fah-Hiau, 139

F

Fairs, see M rhots. Fair-ulish Khan, 150, Fallon Dr. 63, 76 Fammes, 49 Feridnager village, 157 Farman 171 Fanns, 34. Ferrice, 18 19 30 Firliblik 143 Firos Shah, 184, 185 Pleas bistory 94, Fish, 34. Floods, 31, 48, Flore, 37 Food, 80 Food-grains, autumn trade in, 122. Forbes, Mr., opinion about the Tages, 74 Puller's, Mr J B., note on area, 14; note on traffic, 174.

G

Gajraulé, village, 28, 188. Capeshghat 28. Ganesh Porthad, 164 Gangan river 11 21 28, 39 31 168, 180, 195, Ganga Parabad 215. Ganges, river 2 9 10 14, 18, 19 25. Gang robbers, 188 Gii, trade la 122, Chulim Ahuad, Shalkh 175 Obulin Muhammad, 150. Gorbálna, 112 Gothi village, 25 Gowan, Captain 165. Orans fungle 10, 16, Great Trigonometrical Survey statious, 13. Orores in Mar tracte. 5 Growse, Mr P S 141. Oujara, 71

Ger, manufacture of, 137

II.

Hamilton, Dr., 150 Hardy, William, 165. Harnand, Raja, 147 Ha anpur, taheiland parganah, 188, town, 191. Harrituspar Gathi, rillage, 192 Heights, 13 Mides, trade in, 123 Hill, Mr., 161 Hindrich, 82. Hindus by easter, 61. History, 13" Hog deet, 15 Honce tax towns, 193 Humarin, 144 Hume, Mr, account of the Mewhife, ic. Humphreys, Mrs., 162 Hunter, Dr., 140 Hwen Thiang, 139, 140.

I.

Ibbetson, Mr., 68
Ibráhím 'Ah, Mauivi, 113.
Imit, 37.
Income tax, 137.
Indo-Muhammadans, 85
Infanticide, 92
Itrigation, 22, sources of, 46.

J.

Jabdá *jlál*, 24. Jabdí, stream, 17 Inganuáth, Babu, 164. Ingar Sigh, Raja, of Tappur, 111. Inicliand, of Kaimoj, 141. Jri Kishii Das, Raja, 110. Jajanagli, village, 10 Jailiauli, village, 192. Játs, 78, 112, 114 Jei, term explained, 190 Jhabba Sinh, 111. Jhada or large tracts of clay, 12, 11, 219, Jhdo or tamarisk, 9, 11, 16. Jhils or lakes 9, 21 Jones, Brigadier-General, 164 Jotashi or Joshi, Brahmans, 62. Judicial administration, 5. Judicial statistics, 135. Junnhts, village, 192, Jungles, 15 Jwálá Parshád, 110

K.

Kachié, stream, 18
Kaddá gardí conslict, 162
Kair jungle, 11, 12, 15, 17, 219.
Kaithal, village, 192.
Kaiyáns, see Rahlís,

K illar or land injured by reh, 14. Kamálpuri, village, 19. Kamp, term explained, 14, 16. Kankar, 12, 54 Kant, town, 28, 192 Kangneng, 104 Karula, atream, 21, 29, 168 káchípur, rájá of, 111 Kadin All Khan, 164 Katehr, 134, 143 Katchelds, 14", 145, 146. káraths, 112 Ishaharin village, 13, 18 Khágis, 23, 114. Klair tree 18 Khakrant, term explained, 118 Khalia, affluent of Rampanga, 17 Khán Bahldur Khán, embussy to Dehli, 162. Kharch, term explained, 118 Khokars, 76, 115, 211 Kliulalla, etrenii, 20. Kicho Komir 111 Kishori kunuar, Ranf, 200 Kitchen, Mr, 160, Mrs., 162 Rosf or Knusika, river, 18, 28, 29, 195. Kowakhar, stream, 17. Krishni, stream, 20 Kundarkhi, village, 193. Kunwar Lál Kumar, 111. Kurka, stream, 15, 18, 219. Kutb ud-din Albak, 142

L.

Luchlimi Náráin, Lula, 164. Lagoone, 20-24 Lalipur, village, 19 I 41 Dhang, treaty of, 150. Lan lholders, eister and tribes of, 109 Landlord and tenant, relation of, 16 I and-revenue, instalments of, 103, collections of, 104 Language, 87. Luplania, streum, 15, 18, 219. Leading families, 110 Leoparda, 15 Lescester, Mr W, 151. License-tax, 131 Lime, 54 Local rates and local self-government, 133. Lock-up, 94.

M.

MacGuire, Mr, 161, Mrs., 162.

Mahendar Sinh, 4, 221

Mainather, village, 28, 193.

Majhola, rajas of, 66, 111; village, 193, parganah (extinet), 194

Majja Khan, 159, 160, 161, 165.

Malik Kufur, 176

Malleson, Colonel, quoted, 165.

Manderson, Mr., 219.

Manihara, 196. Manpur Patti, village, 28 184 Manache, 171 Mangur Bhaikh 174 Manufactures, 45, 126. Markets, 128. Marriage-customs, 817 Mar'ud Salar Chari. 193. Matiyar 14 Matwall atream, 20 Mearen, Mr., 28, Measures, 131 Medieval battle-fields near Sambhal, 141 Medical charges, 138. Motals trade in 124 Metal work of Moradabad, 204. Miránpur Katra, 149 Mir Imdad Ali, 199 Mir Khin see duir Khin. Mir Salyid Muhammad 178. Mosns, Mr., 142. Mohalé or Moháwá, stream, 19 Money Mr, 190, 208, 109 210. Money-lending 110. Moradahad, tahall and parganah 1941 town, 145 197 M ghalpur or Moghalpur town, 206 Muhallas or wards, of Amroha town 171 ; of Bachbraon, 179; of Chandaust, 1+3; of Dha paura 188; of Haranpur 192 of Kant, 193 ; of Moradabad, 201; of Moghalpur 208; of Naraoli, chi L; of Samhhal 213 1 of Sirai 217; of Thekardward 111 Muh mmedenlem 83 Mohammadanized Hindas, 3. Muhammadpur Muaff, village, 206. Mohammad Shah, 4 21 148. Mohammad Yo uf All Rhan 153. Makaddaue, 220

N

Nachná stream, 18.
Nádir Sháh, 147
Najibhbá, village 25
Rakora, lilage 25,
Rakora, lilage 23,
Najid Tál 197 198.
Nadi Kibor 168
Narauli or Na jol, town 200.
Naibe Khán, 187
Naibe weddene 187
Native medicine 187
Native medicine 187
Native medicine 187
Native Medicine 187
Nasigon Sádát village, 205.
Nasa Maulima, 211

Mölás, 78 115 Mundhá village 206

Mundlys village 19

Monicipalities, 182. Murray Captain, 182. Musalmans, 113.

Mustafapur village, 206. Motioy and rebellion of 1857-58 152 Navigation 18 24

Navar term explained, 418

Navada payments, 104, 108.

Navaspapers, 57

Nijer 18

Nijer All, 180

Nizim al-quik Bahkdur Fathganj or Chin Kalici
Khkin, 446
Kon-agriculturists, ctates and tribes of, 113.

.

Occupations, 75
Occupations, 75
Occupations, 75
Occupations, 75
Other castes," of the 1881 census, 70
Outh and Rollikhand Rallway 21 34 25

т.

Padhine, 115 Páckbard village, 207 Panchala kingdom 138. Pånde, Brahman, 48 Papri village, 171 P ranti, village, 19 Pardoman Klahn, 181 164. Park ta neld, 184. Pathra, village, 19 Patwaris 104. Phaldikol pargenah of Kumann 17 Phika team 17 Phillips, M ., 161 Physical feate es 6. Piece goods, trade in, 124. Pipalsa & village, 19 207 l spli hank, village 207 Planck Dr., 201 218, 214, Poller #1 l opulation, \$6 Posial statistics, 50 Powel Mr., 161 Prices, 199 Printing presses, 87 Printing Raj 74, 141 Projected lines, 25 Paranpu village, 6. Poth, village, 19 26,

Λ

Quinquennial settlement, 19.

R

Rahmat Khán, 143, 149 Rahifa or Rehrá, village, 207 Rahifa, 69 Hallway 24, Bainfall, 21, Rajabpur village, 28, Rajbará, atream, 18; village, 22, Rajputa, 64, 112. Ramgings, elver, 7, 10, 17, 25, 29, 195, 202, Ramfi Mal, 102. Reinit figh, 25 Rapi stream, 17. Rudogie, 62 Raton jar kalán, village, 207. Registration, 175 Red 14, 48 Religion, 42 Rent rates, 101. Rests, present, 94, 117. Repuller, 27 Revenue, present, 94. Rice, trade in, 122 Rith, village, 207. Rivers, 17 Rande, 25 Roh, strehm, 20 Robill hand province, made over to the British, 5 Polulla confederacy, 149. Rehill&s, 146 Ruka ud-daula l'til äd Khän, 146 Rustam Khan, \$ 202, Rustampagar, village, 207.

S.

Sa'Adat or Mir Sa'Adat 'Ali, 5, 86, 150, 160 Sabir Shah, 146 Sado, Shalkh, 174. Sahnspur, see Rustamnagar. Said Nagli, village, 207. balempur, village, 207. Balt, trade in, 127 Sambhal Makatrua, 50 Sambhal, talissi and parganali, 21, 208; town, 138, 113, 144, 211, 217 Samilá, Ingaon, 20, 24. Sanadh Brahman, 62 Sanitary statistics, 136. Sarái Tarín, suburb of Sambhal, 217. Sarwaria, Brahman, 62 Saunders, Mr C B, 154, 158 Senreity of 1868 69, 22, School statistics, 87. Self Sakhion, a poem, 86, Seton, Mr., 163 Settlement, early, 95, ninth, 96, character of the ninth, 100; tenth, 101. Sháhjahán, 203. Shahrpur, village, 23. Shaikhs, 114 Sharf-ud-din Shah, ancestor of Amroha Saiyids, 107, 171, 174, 177 Sheopuri, village, 19 Sherpur, village, 19, 26. bherring, Mr , 63, 68, 69 Shuja-ud-daula, 149.

Sikhiten, 139
Sirsi, tonn, 217
Skinner, Caprain, 152
Smeaton, Mr. D. M., 68, 50, 99-100,
101, 106, 127, 191.
Smill, General. 152
Soil, 11, 12, 13
Sit river, 9-11, 21, 23, 29, 169, 209, 210
Spirits, manufacture of, after the native process,
128
Spring crops, 24
Stimps, 133
Sagar export of, 121, manufacture of, 127.
Sugarous, 20, 45
Siraj Daj kay tha, 172
Surathal Khera, 210

T.

Tágās, 74 Adiá Chánd Pain, 164 Trest, 12, 10, 31 Telegraph, 90 Temple, Sir Richard quoted, 163 Tenants, cultivating, 115; occupancy and · non-occupancy, 116, Tennant, Mr., 160 Tenurcs, proprietary, 105. Tlibkurdward, talisil and parganah, 5, 32, 218, town, 220 Thunsts, 115 Thornton, Mr L M, 200 note. Tigers, 15 Tigri, village, 10 28, 221. Tikin, village, 171. Tillinge, 48 Timber, see Building raterials Ttraths, in Sambhal, 210 Tobacco, trade in, 124 Tonk, in Rajputana, 162 Towns and villages, number of, in 1881, 78. Tracy, Mr, 214 Trade, 121. I raffle, by road and rail, 124. Trees, 37 Turks, 115

U.

Udld tract, 9, 22 Ujhárí, village, 221 Umri, village, 21. Usahat, village, 23 Úsar, 16.

٤,

V.

Vaccination, 137. Village and road watchmen, 92.

INDEX TO HOPADABAD

Vishnava Baniés, 48 Vital statistics, 187

W

Wages, 188
Warrick, Mrs., 162, "t"
Waste lands, 16
Waste lands, 16
Water level 8
Waste lands, 118.
Widshis, 131
Wells, 11, 14
Whest, trade in 192.
Whish, Captain, 167
Whitwell Dr., 703
Wilsyat lands in 159 165

Wild bearts, 34
Williams Monter Professor 83.
Wilson Mr 108, 154 155 157 158 169, [64
165 165
Woodlands 17

Y

Yar i Wafadar or Sot, 21 Yesuf Alf Khan, nawab of Rampur 159, 161 164 166

Z.

gabit, term explained, 117